

AD 447

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
PATUXENT RIVER MARYLAND (U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

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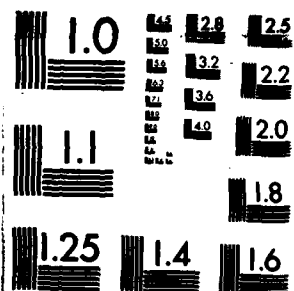
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WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		9.6	.8	4.3		14.3	19.1	10.0	.1		27.6	2478
FEB		.1	8.5	.3	4.3		12.8	18.0	11.5	1.0		29.0	2256
MAR		.2	11.9	.3	1.8		13.6	18.8	13.2	.2		30.9	2480
APR		.5	9.3		.2		9.3	11.1	15.1			24.1	2400
MAY		1.5	9.9				9.9	21.1	31.0			46.2	2480
JUN		1.4	6.3				6.3	13.4	42.0			50.7	2400
JUL		2.7	6.0				6.0	14.8	56.7			62.1	2480
AUG		2.4	5.3				5.3	15.3	61.9			67.5	2480
SEP		.7	7.6				7.6	17.4	41.9			51.6	2400
OCT		.2	8.5		.0		8.5	18.2	23.3			36.8	2480
NOV		.0	8.9		.5		9.3	18.3	18.9			34.5	2400
DEC		.0	10.2	.2	1.8		11.9	19.5	9.7	.2		28.0	2478
TOTALS		.8	8.5	.1	1.1		9.6	17.1	27.9	.1		40.7	29212

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721 PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 JANUARY ALL
STATION STATION NAME YEARS MONTH HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.2		3.9	2.9	1.0	8.3			27.8	1.0	8.8			58.5
NNE	13.4	.9	1.8	3.6	2.7	10.7			22.3		11.6			55.4
NE	14.1		2.6	2.6	1.3	10.3			23.1		14.1			59.0
ENE	9.8		3.3	4.9		11.5			23.0	4.9	21.3			49.2
E	12.0		4.0	1.3	1.3	8.0			25.3		12.0			58.7
ESE	28.3			2.2		4.3			34.8	2.2	17.4			43.5
SE	9.4		2.1			4.2			28.1	1.0	19.8			49.0
SSE	20.9		1.7	.9		1.7			32.2		14.8			53.0
S	10.0					6.9			18.5	3.1	10.8			66.2
SSW	6.7	1.1	2.2	1.1		2.2			12.0	3.3	12.0			69.6
SW	5.5	2.8				1.8			15.6	3.7	12.8			69.7
WSW	7.1	.7	.7			1.4			8.5	1.4	8.5			79.4
W	1.1	1.1	1.1			1.1			9.1	1.6	6.5			83.3
WNW	1.5		1.5			2.5			8.3	1.5	4.9	.5		84.8
NW	5.2	.7	2.6			1.5			12.3	1.1	7.1	.4		77.7
NNW	3.6	.6	1.9		.3	3.4			11.3	.3	7.8			79.4
VARIABLE														
CALM	6.7		2.1	.4		3.3			10.4	7.8	9.2			69.6
TOTAL	192	12	47	20	8	103			424	49	247	2		1711
% TOTAL	7.7	.5	1.9	.8	.3	4.2			17.1	2.0	10.0	.1		69.0

TOTAL NUMBER OF OBSERVATIONS 2,478

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

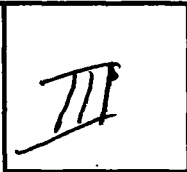
JANUARY 1973-DECEMBER 1982
YEARS

FEBRUARY
MONTH

ALL
HOURS L.S.T.

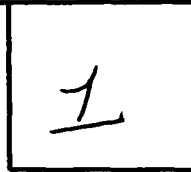
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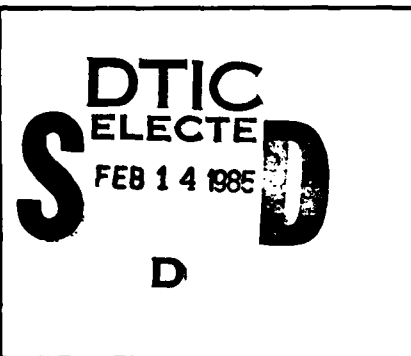
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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

APRIL

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.0	6.0	2.0			.7			16.6	.7	16.6			64.9
NNE	4.4	4.4							10.0		14.4			74.4
NE	6.4	5.1	5.1						19.2	1.3	17.9			64.1
ENE	18.3	3.3	5.0					5.0	21.7	1.7	26.7			45.0
E	21.6	7.6	5.1					1.3	35.4	1.3	22.8			32.9
ESE	5.9	2.5	1.2			1.2		1.2	13.6	1.2	25.9			60.5
SE	1.7	3.4							10.1	1.1	30.3			62.4
SSE	5.6	3.9	.4					1.3	10.4	.4	21.6			66.2
S	2.4	3.6							6.0	.6	15.0			77.8
SSW	4.0	6.4	.8			.8		1.6	12.0	.8	22.4			65.6
SW	1.3	5.4				.7		1.3	3.4	1.3	14.8			76.5
WSW	2.0	3.0							3.0		11.1			83.8
W	2.0	2.6							5.3	1.3	7.9			84.2
WNW	1.1	.5	.5						2.1	1.1	5.8			89.5
NW	.8	4.9							4.1	1.2	5.8			86.0
NNW	3.7	3.1	2.5					.6	5.6		2.5			86.3
VARIABLE														
CALM	4.0	.6	2.4			1.2			10.3	.2	14.3			66.3
TOTAL	107	90	26			6		13	239	26	362			1746
% TOTAL	4.5	3.8	1.1			.3		.5	10.0	1.1	15.1			72.8

TOTAL NUMBER OF OBSERVATIONS 2,400

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSMAY
MONTHALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	1.2	4.7					.6	20.1	1.8	24.9			54.4
NNE	5.6	2.1	2.8					.7	18.9		28.7			53.1
NE	4.5	1.1	5.7						26.4		32.2			49.4
ENE	10.4	3.0	3.0					1.5	35.8		28.4			40.3
E	17.5	6.8	4.9					1.0	41.7	1.0	24.3			35.0
ESE	12.5	1.8	5.3						33.0	1.8	25.9			42.9
SE	5.0	4.6	.9					2.7	19.6	2.3	43.8			37.0
SSE	6.7	2.8	.4					1.8	13.7	2.8	41.9			46.8
S	7.4	3.5	.5					1.0	15.3	1.5	31.2			53.5
SSW	3.4	5.5	.7					2.8	11.0	4.1	32.4			53.8
SW		4.9	.7					.7	9.8	1.4	41.3			51.7
WSW		2.0						2.9	8.8	4.9	39.2			53.9
W	1.0	5.7						4.9	9.0	8.2	23.8			60.7
WNW		3.3						1.7	6.6	5.0	16.5			72.7
NW	2.6	5.1						1.3	13.5	2.6	21.2			62.8
NNW	3.3	4.9	1.6						17.9	1.6	17.9			65.0
VARIABLE														
CALM	1.1	2.2						1.1	21.6	12.1	31.3			56.7
TOTAL	121	88	39					37	445	79	769			1276
P. TOTAL	4.9	3.5	1.6					1.5	17.9	3.2	31.0			51.5

TOTAL NUMBER OF OBSERVATIONS 2,480

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Patuxent River, MD		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) NA		8. CONTRACT OR GRANT NUMBER(s)
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

JUNE

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	5.5	6.6					2.2	17.6	2.2	36.3			47.3
NNE	10.5	3.2	5.3					1.1	17.9	2.1	32.6			49.5
NE	6.7	2.2	2.2					1.1	20.2		20.2			59.6
ENE	6.3	9.4						3.1	25.0	1.6	29.7			48.4
E	6.0	6.0	1.2					2.4	15.7	4.8	36.1			45.8
ESE		3.5						1.2	9.4	2.4	35.3			54.1
SE	2.3	1.1	.6					1.7	5.1	1.7	46.0			48.9
SSE	4.1	1.2						1.6	5.7	2.0	53.3			40.2
S	2.6	4.5						1.9	8.3	3.4	44.4			45.5
SSW	2.1	3.7						.5	8.6	2.7	50.8			41.2
SW	1.1	3.7						1.1	4.8	4.8	49.7			45.0
WSW	2.3	4.6						.8	12.2	1.5	55.0			35.9
W		5.3						2.6	11.8	6.6	44.1			44.1
WNW		3.7							13.4	3.7	35.8			52.2
NW		3.1						2.3	4.6	1.5	26.7			67.9
NNW	2.3	.8						1.5	3.8	3.8	32.6			58.3
VARIABLE														
CALM									15.2	7.9	42.4			57.7
TOTAL	60	80	15					34	244	78	1008			1147
P. TOTAL	2.5	3.3	.6					1.4	10.2	3.3	42.0			47.8

TOTAL NUMBER OF OBSERVATIONS 2,400

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STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
13721	Patuxent River, Maryland	38°17' N	76°25' W	38	KNHK	72404

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Weather Service Office, Ops Bldg.	Navy	1949	1957	38°17' N	76°25' W	45	Mercurial	24
2.	" " " "	"	1957	1976	"	"	"	"	"
3.	Removed, June 17, 1976	"	-	-	-	-	-	-	-
4.	Weather Service Office	"	1960		38°17' N	76°25' W	45	Aneroid	24
4a.	Oceanography Command Det. (Ops Bldg)	"	1978		"	"	"	"	"

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1949	Atop operations tower	3 cup		95'	1. Auto met station (AN/GMQ-29A) 2. Ceiling light (ML-121) 3. Cloud height set (GMQ-13B/C) 4. Transmissometer (GMQ-10) 5. Runway visual range indicator 6. Seawater-air temp (Honeywell) 7. Weather vision (AN/GMQ-27) 8. WSR 57 radar operated by NWS 9. Thermoscreen (ML-41) 10. Theodolite (ML-474)
2.	1957	Atop radar tower, Bldg 147A	AN/UMQ-5C	RD-108	65'	
3.	1960	1000 ft NW of intersection of runways 31 and 24	"	"	13'	
4.	1978	" " "	"	"	15'	

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Asheville, N. C.

CONTINUED ON REVERSE SIDE

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSAUGUST
MONTHALL
HOURS L.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.5	5.4	.9					3.6	9.9	1.8	51.4			39.6
NNE	2.6	2.6	.9					3.4	3.4	3.4	49.1			45.7
NE	3.6	4.8						1.2	16.9	2.4	39.8			44.6
ENE	4.0	4.0						2.0	12.9	4.0	46.5			44.6
E	1.0	7.7	1.0					1.9	13.5	2.9	50.0			42.3
ESE	3.9	2.6						1.3	9.2	3.9	60.5			31.6
SE		2.6						.7	3.3	3.3	70.2			27.8
SSE	.8	4.0						3.2	4.8		78.2			17.7
S	2.5	4.9						4.2	7.0	3.2	65.8			28.5
SSW	.5	2.9						4.4	6.8	5.9	62.9			30.7
SW		1.9						.5	5.3	7.7	67.5			27.8
WSW	.3	1.5						2.3	8.3	9.0	75.2			20.3
W	.6	1.7						1.2	8.1	17.9	66.5			23.7
WNW		5.5						1.6	11.7	10.9	71.9			21.1
NW	1.7	1.7						.9	12.8	7.7	57.3			36.8
NNW		6.8						4.8	8.2	5.5	49.3			45.9
VARIABLE														
CALM	.9	4.6						.9	3.2	3.2	33.1			34.7
TOTAL	34	94	3					58	217	163	1534			772
% TOTAL	1.4	3.8	.1					2.3	8.8	6.6	61.9			31.1

TOTAL NUMBER OF OBSERVATIONS

2,480

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

SEPTEMBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.2	2.6	.9						11.3		27.8			61.7
NNE	16.0	3.5	4.9					.7	21.5	1.4	30.6			48.6
NE	10.0	1.4	2.1						15.0	4.3	37.9			47.1
ENE	7.7	1.5	1.5						17.7	3.1	35.4			47.7
E	6.3	6.0	.8					1.5	15.0	2.3	47.4			42.1
ESE	2.1	4.1						1.0	5.2	3.1	38.1			57.7
SE	5.9	1.5	.7					.7	16.9	3.7	44.1			41.2
SSE	.6	2.5						1.3	5.6	1.9	56.9			38.8
S	5.1	3.6	.5					.5	9.6	5.1	46.7			43.1
SSW	2.0	2.6						1.3	6.6	9.9	48.7			41.4
SW		2.8							5.6	9.8	53.8			41.3
WSW		3.8						.9	12.3	5.7	37.7			51.9
W	.8	2.3						3.1	8.5	13.8	47.7			42.3
WNW	3.4	2.5						.8	10.9	10.9	44.5			43.7
NW	1.4	4.1	.7					.7	11.0	5.5	33.8			53.8
NNW	1.6	1.6	.8						7.9	5.5	27.6			63.0
VARIABLE														
CALM	1.3	.4						.4	9.3	14.5	32.9			50.2
TOTAL	100	64	18					18	266	152	1005			1135
% TOTAL	4.2	2.7	.8					.8	11.1	6.3	41.9			47.3

TOTAL NUMBER OF OBSERVATIONS 2,400

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Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

OCTOBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	3.2	1.6						14.9	3.7	18.6			62.8
NNE	11.7	3.1	4.7		.8			.8	25.0	.8	26.6			49.2
NE	14.1	3.9	4.7						25.0	3.9	15.6			53.1
ENE	7.3	1.0	1.0					1.0	17.7	3.1	12.5			70.8
E	8.1	1.0	3.0						14.1	6.1	24.2			60.6
ESE	10.1		2.9					1.4	20.3	5.8	26.1			50.7
SE	3.7	2.5							18.5	3.7	42.0			40.7
SSE	6.9	5.2							18.1	4.3	49.1			33.6
S	6.7	2.2	.6						10.6	4.5	34.6			52.5
SSW	2.5	1.9							8.3	4.5	27.4			62.4
SA	4.1	1.4							6.8	2.7	34.7			57.1
WSW	4.3	.9							8.6	6.0	24.1			63.8
W	4.0	4.0	.6						9.8	5.7	22.4			63.8
WNW	2.8	2.2	.6					.6	6.7	2.8	10.7			80.9
NW	1.6	2.1	1.0					.3	8.9	6.8	12.6			73.8
NNW	4.2	1.9	.5						8.5	.9	8.5			81.7
VARIABLE														
CALM	4.9	1.8							4.3	23.7	24.8			53.7
TOTAL	130	58	27		1			5	310	140	577			1520
TOTAL	5.2	2.3	1.1		.0			.2	12.5	5.6	23.3			61.3

TOTAL NUMBER OF OBSERVATIONS 2,480

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2

WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

13721

PATUXENT RIVER, MARYLAND

45-79

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.7	43.6	2.9	18.9	.2	48.6	42.0	30.1	2.8		52.6	1053
FEB		1.9	40.6	2.7	16.4	.4	44.4	39.5	31.8	2.4		52.7	959
MAR		3.8	51.2	.4	9.6	.6	49.1	40.7	32.7	1.1		52.5	1085
APR		8.6	53.4	.1	1.3	.3	47.6	35.4	30.1	.1		46.9	1050
MAY		15.3	56.3			.4	49.9	40.5	40.6			54.6	1085
JUN		19.8	50.5			.2	44.8	37.4	50.0			58.7	1050
JUL		25.1	51.8				45.9	34.7	54.1			60.1	1075
AUG		21.0	47.2			.1	41.8	40.5	59.2			66.7	1085
SEP		9.4	41.6				36.9	38.2	45.5			56.1	1050
OCT		3.3	38.7		.2	.1	34.3	44.1	39.4			57.3	1085
NOV		1.9	45.0		3.2		41.3	38.6	32.0	.1		49.4	1048
DEC		.5	42.2	1.3	10.7		41.6	39.5	32.4	1.0		51.4	1082
TOTALS		9.3	46.8	.6	5.0	.2	43.8	39.3	39.8	.6		54.9	12707

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2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721 PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 NOVEMBER ALL
STATION STATION NAME YEARS MONTH HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	.5	5.9			.5			18.1	1.0	16.2			64.7
NNE	16.7		7.5			.8			29.2	2.5	29.2			41.7
NE	6.6	1.1	2.2		1.1	2.2			27.5	1.1	29.7			44.0
ENE	12.5	3.1	4.7			4.7			26.1	1.6	34.4			32.8
E	15.5		1.7		1.7				27.6	3.4	25.9			44.8
ESE	12.1		5.2						27.6	1.7	41.4			32.8
SE	1.1	3.3	1.1						22.8	1.1	33.7			43.5
SSE	5.9	3.0	1.0						22.8	1.0	34.7			45.5
S	6.1	3.7	1.2			.6			15.5	2.5	33.5			52.8
SSW	3.4	3.4	.7						8.2	3.4	16.3			70.7
SW	1.4	2.9	.7						10.9	2.2	18.8			71.0
WSW		2.1							5.0		15.7			78.6
W	2.6	1.0	1.5						11.8	4.1	13.8			70.3
WNW	1.2								7.0	4.1	8.1			82.0
NW	4.0	.5				.5			9.5	3.0	7.5			79.5
NNW	6.7	1.6	.4						10.2	.8	7.5			79.5
VARIABLE														
CALM	4.9	1.0	1.0					.5	24.0	0.8	14.6			59.0
TOTAL	135	37	42		2	9		1	373	67	453			1531
% TOTAL	5.6	1.5	1.8		.1	.4		.0	15.5	2.8	18.9			63.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

2

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WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		8.7	1.0	2.3		11.3	17.2	4.5			21.0	309
	04		11.0	.6	4.9		15.9	21.0	5.2			24.9	309
	07		10.6	1.0	3.5		14.8	24.8	7.1			29.7	310
	10		8.1	.6	5.5		14.2	22.6	16.8			36.5	310
	13		8.1	.3	4.2		12.6	16.1	14.8			29.7	310
	16		10.3	.6	5.5		16.1	16.1	15.5	.3		29.0	310
	19		10.3	1.6	4.2		15.2	17.7	11.0	.3		28.4	310
	22		9.7	.6	4.5		14.5	17.1	4.8			21.3	310
TOTALS			9.6	.8	4.3		14.3	19.1	10.0	.1		27.6	2478

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2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

DECEMBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0		3.0	.5	2.5	3.5			29.0	.5	9.0			60.0
NNE	15.1	.7	2.9	.7	.7	2.9			33.1		7.2	1.4		57.6
NE	9.8		4.9	1.2	1.2	6.1			12.2		12.2	1.2		65.9
ENE	17.1		1.3			1.3			19.7	1.3	9.2			64.5
E	17.3		1.3			1.3			25.3	1.3	21.3			50.7
ESE	20.0		1.8						23.6	5.5	14.5			56.4
SE	13.4	1.5	3.0						23.9	7.5	19.4			52.2
SSE	16.8	1.9	.9						31.8	1.9	15.0			50.5
S	10.2	1.8	.6		.6				18.1	1.8	10.8			68.1
SSW	6.5	1.9	1.3	.6	.6	1.3			13.6	1.3	15.6			68.8
SA	5.8	1.8	1.2						11.7	2.3	17.0			69.6
WSW	3.6		1.5						11.3	.8	3.8			80.5
W	5.6	.7				2.8			13.9	1.4	6.3			75.7
WNW	1.7	.6	.6			1.1		.6	10.9	1.1	2.9			85.1
NW	2.5	1.3	.4			1.3			8.4	.4	3.4			85.7
NNW	2.7	1.2	1.6		1.2	3.5			11.8	1.2	5.5	.4		80.0
VARIABLE														
CALM	5.4	.4	2.5	.8		1.2			21.1	4.6	12.8			63.4
TOTAL	202	22	39	6	12	41		1	437	47	241	4		1722
% TOTAL	8.2	.9	1.6	.2	.5	1.7		.0	17.6	1.9	9.7	.2		69.5

TOTAL NUMBER OF OBSERVATIONS 2,478

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2

WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		9.2	.4	2.8		12.4	18.8	7.1	1.1		25.2	282
	04		6.0	.4	4.6		10.6	17.7	7.4	1.1		24.8	282
	07		8.5		3.5		12.1	23.4	13.8	.7		35.1	282
	10		7.8		4.6		12.1	17.0	17.7	1.8		34.8	282
	13		9.6	.4	3.9		13.8	15.6	12.8	.7		28.7	282
	16	.4	8.5	.7	5.7		14.2	16.7	15.6	1.1		32.3	282
	19		8.9	.7	5.0		14.5	16.7	10.3	.7		26.6	282
	22		9.2		4.3		12.8	18.1	7.4	1.1		24.8	282
TOTALS		.1	8.5	.3	4.3		12.8	18.0	11.5	1.0		29.0	2256

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2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSALL
MONTHALL
HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	2.1	3.9	.7	.4	2.6		.5	20.7	1.4	19.9	.4		57.2
NNE	9.9	1.9	4.0	.6	.7	3.1		.6	21.0	1.1	24.4	.5		52.4
NE	8.7	2.5	3.6	.3	.4	2.1		.2	20.5	1.9	25.2	.3		53.0
ENE	10.6	2.4	2.7	.5		2.4		1.2	23.4	2.5	26.1			50.0
E	11.2	3.7	2.5	.1	.2	1.4		1.0	23.5	2.3	31.4			44.7
ESE	9.0	2.9	2.2	.1	.1	1.1		1.1	18.1	2.4	33.8			47.1
SE	4.7	2.6	.8			.6		.9	14.1	2.5	39.9			45.7
SSE	6.6	3.1	.5	.0		.2		1.3	14.1	1.7	39.4	.0		46.4
S	5.2	3.6	.3		.1	.6		1.3	10.9	3.0	35.5			52.4
SSW	3.2	3.3	.5	.1	.1	.3		1.2	9.0	3.7	33.8			55.2
SW	1.8	3.2	.4			.2		.6	7.7	3.8	35.9			55.8
WSW	2.3	2.3	.3			.2		1.0	9.3	3.1	32.1			58.4
W	2.3	2.5	.4		.1	.4		1.2	10.4	5.9	27.7			59.9
WNW	1.5	2.0	.4			.6		.8	8.4	3.9	20.7	.3		69.7
NW	2.1	2.2	.8	.0		.8		.4	9.3	2.8	16.1	.2		72.5
NNW	3.1	1.8	1.4	.0	.2	1.7		.5	9.8	1.7	14.1	.1		74.1
VARIABLE														
CALM	2.9	1.6	1.1	.1		.6		.4	17.6	11.0	28.9			51.1
TOTAL	1407	736	391	41	33	297		238	3984	1011	8189	34		16629
% TOTAL	4.8	2.5	1.3	.1	.1	1.0		.8	13.6	3.5	28.0	.1		56.9

TOTAL NUMBER OF OBSERVATIONS 29,211

2

WEATHER CONDITIONS

1721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSMAP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		10.6	.3	2.9		13.2	19.0	7.4	.3		26.1	310
	04		12.6		2.3		14.8	23.5	5.8	.3		28.1	310
	07		13.9	.6	1.6		16.1	30.0	13.9	.3		40.6	310
	10		14.2	.3	1.3		15.8	18.1	17.1			34.5	310
	13	.3	12.3	.6	2.6		14.5	16.1	18.1			33.2	310
	16	.3	11.3		1.0		11.9	13.9	17.7			31.3	310
	19	.3	10.0	.3	1.3		11.0	13.9	15.2	.3		28.4	310
	22	.3	10.0	.3	1.6		11.3	15.8	10.3	.3		25.2	310
TOTALS		.2	11.9	.3	1.8		13.6	18.8	13.2	.2		30.9	2480

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Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

2

WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	1.0	10.3		.3		10.3	10.7	7.7			17.0	300
	04	.3	9.0		.3		9.0	15.7	7.7			20.0	300
	07		11.0		.3		11.0	20.7	15.0			31.3	300
	10		7.0		.7		7.3	10.0	18.0			26.7	300
	13		9.0		.3		9.0	7.0	18.3			24.0	300
	16	.7	7.7				7.7	7.7	20.3			26.7	300
	19	1.3	9.0				9.0	8.3	20.7			27.3	300
	22	1.0	11.0				11.0	8.3	13.3			19.7	300
TOTALS		.5	9.3		.2		9.3	11.1	15.1			24.1	2400

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3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION PATKENT RIVER, MARYLAND STATION NAME 45-A YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	52.0	13.9	2.1	6.3	4.5	7.6	7.8	4.2	1.5					34.1	1085	3.07	6.17	.4	
FEB	55.3	11.5	2.1	5.8	4.2	7.1	6.7	5.3	1.6	.1				32.5	989	2.89	7.02	.4	
MAR	51.1	11.0	2.5	5.8	4.3	6.9	6.3	5.8	2.2	.1				33.9	1147	3.53	7.00	.5	
APR	51.7	13.7	2.9	6.9	4.3	7.0	6.8	4.1	1.8					33.6	1140	2.89	6.74	.9	
MAY	51.3	13.5	2.6	7.0	4.4	7.0	7.3	5.3	2.3	.2				36.2	1178	3.80	9.80	.4	
JUN	55.1	13.7	2.3	6.5	4.3	5.5	4.9	5.2	3.1	.2				31.9	1110	3.51	7.34	.2	
JUL	54.1	13.1	2.2	5.7	3.9	6.7	5.5	4.7	3.7	.4				32.8	1147	4.28	5.51	1.0	
AUG	54.6	11.2	2.0	4.9	3.2	6.5	5.3	3.3	2.7	1.0	.1			29.2	1178	4.26	11.10	.6	
SEP	64.7	11.0	2.0	4.0	3.0	5.5	3.5	4.0	2.7	.5				25.0	1110	3.29	7.99	.2	
OCT	65.4	11.7	1.4	4.8	2.2	4.4	4.3	3.1	2.1	.3				22.8	1178	2.86	6.61	TRACE	
NOV	61.4	11.3	2.0	5.6	3.0	5.6	4.4	4.1	2.5	.2				27.3	1050	3.06	7.95	.3	
DEC	57.2	13.3	1.9	5.1	3.1	6.0	5.7	5.9	1.5					29.6	1116	3.18	6.50	.4	
ANNUAL	54.7	12.9	2.2	5.7	3.7	6.3	5.7	4.6	2.3	.2	.0			30.8	13428	3.62			

NAVWEASERVCOM

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10/1/2006 84321

WEATHER CONDITIONS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.6	11.9				11.9	25.2	20.3			40.0	310
	04		9.4				9.4	34.2	19.7			45.2	310
	07	.6	10.6				10.6	37.7	30.0			56.1	310
	10		8.4				8.4	19.4	33.9			47.4	310
	13		8.1				8.1	11.3	38.1			45.8	310
	16	4.2	10.6				10.6	10.0	41.3			47.7	310
	19	3.9	9.7				9.7	12.9	36.1			45.2	310
	22	1.6	10.6				10.6	18.4	28.7			41.9	310
TOTALS		1.5	9.9				9.9	21.1	31.0			46.2	2480

NAVWEASERVCOM

3

31457

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION EATON RIVER, MARYLAND STATION NAME 45-87 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	79.0	17.3	2.1	1.9	1.8	.7	.5	.9	.4	.1				9.7	1154	5.6	29.0	.
FEB	83.4	9.1	.9	2.3	1.4	.8	.8	.4	.5	.1				7.2	961	5.1	22.3	.
MAR	90.7	6.0	.6	.9	.5	.4	.1	.4	.4					3.3	1116	2.7	22.0	.
APR	95.6	1.3	.1											.1	1110	TRACE	.3	.
MAY	99.0	.1													1179	TRACE	TRACE	.
JUN	100.0														1140	.0	.	.
JUL	96.0	.1													1116	TRACE	TRACE	.
AUG	100.0														1147	.0	.0	.
SEP	100.0														1140	.0	.	.
OCT	99.0	.1	.1											.1	1147	TRACE	.1	.
NOV	97.0	2.2	.6	.1					.1					.0	1050	.3	7.1	.
DEC	94.0	7.6	.5	1.2	.0	.2	.3	.2	.7					3.6	1054	2.4	13.0	.
ANNUAL	94.0	3.0	.4	.5	.4	.2	.1	.2	.1	.0				1.9	13213	16.1		

NAVWEASERVCOM

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WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	.7	5.7				5.7	19.7	35.3			48.7	300
	04	1.0	7.7				7.7	28.7	36.7			53.7	300
	07	.7	7.0				7.0	27.3	42.3			57.7	300
	10		5.3				5.3	9.0	40.7			47.7	300
	13	.3	6.0				6.0	5.3	43.3			47.3	300
	16	3.3	4.7				4.7	3.0	50.0			52.0	300
	19	3.0	7.3				7.3	5.0	47.0			50.3	300
	22	2.3	6.3				6.3	9.3	41.0			48.3	300
TOTALS		1.4	6.3				6.3	13.4	42.0			50.7	2400

NAVWEASERVCOM

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPT.
(FROM DAILY OBSERVATIONS)

STATION PATUXENT RIVER, MARYLAND STATION NAME 45-2 YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	74.4	3.7	4.5	3.1	2.3	3.6	1.4	.1	.1					13.1	961				
FEB	71.1	7.1	5.0	2.4	1.0	3.4	1.3	.7	.5					14.5	954				
MAR	51.1	2.9	.7	.8	1.4	1.4	1.0							5.7	1023				
APR	22.0	.4													960				
MAY	100.0														1054				
JUN	100.0														1020				
JUL	100.0														992				
AUG	100.0														1023				
SEP	100.0														1020				
OCT	100.0														1023				
NOV	54.5	.4		.1										.1	990				
DEC	60.0	3.8	1.7	1.7	1.1	1.7	.5							6.5	930				
ANNUAL	54.5	1.9	1.0	.7	.5	.8	.3	.1	.1					3.5	11900				

NAVWEASERVCOM

2

WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	2.6	5.2				5.2	22.3	51.9			60.6	310
	04	1.0	6.5				6.5	31.9	51.6			63.2	310
	07	.3	5.2				5.2	30.0	58.1			67.4	310
	10	.6	5.5				5.5	8.1	60.0			61.9	310
	13	1.6	4.2				4.2	4.5	58.7			61.0	310
	16	4.2	6.5				6.5	2.9	58.4			60.0	310
	19	7.4	8.7				8.7	5.2	60.3			62.9	310
	22	3.9	6.1				6.1	13.5	54.8			60.0	310
TOTALS		2.7	6.0				6.0	14.8	56.7			62.1	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

PATUXENT RIVER, MARYLAND

45-07

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			.02	1.33	1.67	2.49	2.49	.33	1.23	1.37		1.21	
4	.35	.53	1.83	1.93	1.91	1.12	1.40	1.73	2.67	.17	1.12	1.40	7.67
4	.64	.43	.65	1.26	1.56	1.29	1.13	3.19	.98	.85	3.79	1.17	3.79
4	.00	.43	1.1	.74	2.51	.44	1.04	2.46	.79	.05		1.40	
4	1.04	.71	.97	.49	.80	1.83	1.90	3.26		1.63	1.55	.37	
4	.77		1.04	.61	1.77	.71	.84	2.53	.98	.49	.72	1.03	
4	.56	1.02		.78	.92	1.54	1.14	2.25	1.93	.77	1.00		
4	.72	.72	1.37	1.26	.69	.75	.93	.67	1.22	.96		.72	
3	.03	1.44	.07	.55	1.07	.64	.46	3.33	.93	2.17	.57		
4	1.04	2.07	.76	.98	.98	.08	.87	1.04	.47	.50	.69	.70	2.07
5	.00		1.21	.74	.77	1.37	1.53	4.96	.97	.52	1.07	.52	
5	.09	.70	.77	1.38	.71	1.13	1.91	.48	.76	1.51	4.22	.38	4.02
5	.07	.91	.71	.98	1.15	2.39	.65	1.62	1.34	1.76	.71	1.24	2.39
5	1.04	1.14	1.07	1.29	.99	1.13	3.04	4.67	1.42	1.21	1.25	1.39	4.67
5	.47	.59	.67	.78	.33	1.08	2.16	.76	.20	1.27	2.36	1.03	2.16
5	.82	1.07	.94	1.07	1.57	2.37	4.61	.81	3.69	1.02	.31	1.02	4.61
5	1.72	1.75	1.07	.66	1.98	1.55	1.4	1.43	.58	3.53	.57	.68	3.53
5	2.14	.67	.77	.63	.51		.72	.80	1.33	.90	1.57	1.01	
5	.35	.38	.92	.64	.96	3.16	.57	.41	.81	TRAC	2.00	.64	3.16
4	.03	1.01	.73	.71	.23	2.38	1.77	.87	1.79	1.59	1.39	.67	2.38
5	.60	1.08	1.34	.69	.23	1.14	.62	1.85	1.52	.64	.25	.41	1.85
6	.90	.97	.41	.98	.97	.90	.66	.28	2.36	3.55	.66	.08	3.55
6	.00	.75	.74	.36	.95	.56	1.19	1.39	.63	.70	.71	1.36	1.39
6	1.40	.66	1.45	.53	2.16	.68	.27	.84	1.51	.49	2.12	.34	2.16
6	.72	1.18	.66	.82	.83	1.00	2.56	5.68	1.66	.52	.48	1.74	5.68
6	.37	.65	1.06	1.34	.45	1.38		.93	1.69	.78	1.05	.67	
6	.46	1.25	.79	1.34	2.63	.83	.79	2.76	.76	1.53	1.65	.51	2.76
6		.21	.66	1.55	1.65	2.64	.05	1.66	.79	1.66	1.34	.70	
6	.31	1.74	.55	.61	.62	.56	.48	2.65	1.37	1.52	.50	1.11	2.65
6	.66	.42	1.41	.35	.83	1.35	.28	3.71	1.12	.51	.26	1.66	3.71
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	2.3	4.2				4.2	21.9	58.4			66.8	310
	04	.6	4.2				4.2	33.5	57.7			69.7	310
	07	1.0	4.2				4.2	36.7	64.5			73.5	310
	10	.3	3.2				3.2	6.5	63.9			66.1	310
	13	1.3	4.8				4.8	2.3	62.3			63.5	310
	16	5.5	7.4				7.4	2.3	64.2			66.1	310
	19	5.2	8.1				8.1	4.8	64.5			68.1	310
	22	2.6	6.1				6.1	12.6	59.7			65.8	310
TOTALS		2.4	5.3				5.3	15.3	61.9			67.5	2480

NAVWEASERVCOM

EXTREME VALUES

PATUXENT RIVER, MARYLAND

45-50

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	1.29	.64	1.81	.79	1.14	1.14	1.41	1.73	2.75	1.61	.92	1.51	2.75
6	.73	.56	.90	.67	1.51	.49	1.34	.34	1.79	1.46	.42	.32	1.79
7	.78	.41	.94	.51	.75	1.67	.73	1.09	2.01	1.37	1.31	1.87	2.01
7	1.72	.57	2.23	1.44	1.8	.63	1.86	.91	.03	.2	.68	1.35	2.23
7	1.37	3.06	1.24	.61	1.88	1.64	1.73	3.4	3.21	1.16	1.57	.7	3.21
-	1.12	.29	2.86	.86	.62	.28	2.33	.46	.91	3.8	.63	.21	3.8
-	.45	1.2	.50	1.28	1.17	.90	2.77	.41	1.09	.93	.24	.93	2.77
-	.75	1.15	1.1	1.42	1.07	.42	1.55	1.12	2.60	1.39	1.21	.67	2.6
MEAN	.5	.90	1.08	.93	1.24	1.26	1.43	1.87	1.39	1.35	1.21	1.20	2.98
S.D.	.36	.56	.511	.377	.649	.710	.910	1.395	.838	.856	.894	.478	.999
TOTAL OBS.	15	989	1147	114	1178	1111	1147	1178	1110	1178	1050	1116	13428

SMOS

2

1277 2096 54321

WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	1.3	7.7				7.7	19.3	39.3			51.0	300
	04	.3	8.0				8.0	36.3	38.0			56.7	300
	07		6.7				6.7	37.7	46.0			61.0	300
	10		7.0				7.0	10.0	42.7			49.0	300
	13	.7	5.7				5.7	6.3	39.3			44.7	300
	16	1.3	7.3				7.3	6.7	44.0			49.3	300
	19	1.3	8.7				8.7	8.7	45.3			51.3	300
	22	1.0	9.3				9.3	14.3	40.3			49.7	300
TOTALS		.7	7.6				7.6	17.4	41.9			51.6	2400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

JNO. FALL
(FROM DAILY OBSERVATIONS)

121 PATUXENT RIVER, MARYLAND

45-07

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													
4	1.1	2.6										6.7	1.2
4	1.7	.8	7.0									1.0	7.0
4	5.5	3.3	TRACE									TRACE	5.5
4			TRACE									TRACE	
4			5.									TRACE	
4	TRACE												
4		.9	TRACE										
4	TRACE												
4	1.2	TRACE		TRACE	TRACE							1.2	11.2
5													
5	1.4	TRACE	TRACE	TRACE							TRACE	TRACE	1.4
5	3.9	.5	.1									3.	3.9
5	4.9	.4	7.0									3.0	7.0
5	2.0	TRACE	TRACE	TRACE									
5	1.0	5.4	9.4	TRACE								4.0	9.4
5	5.0	4.7	TRACE								TRACE		5.0
5	5.3	4.0	2.3								TRACE	6.5	6.5
5	1.6	1.0	TRACE									2.0	2.0
4	5.4	7.2	3.0	TRACE							TRACE		7.2
5	5.2	3.7	3.0										5.2
6	9.	2.7	TRACE	TRACE							TRACE	8.	9.
6	5.	7.5	TRACE								7.1	2.0	7.5
6	3.0	4.1	2.3								TRACE	TRACE	4.1
6	.2	2.8	6.3								TRACE	.6	6.3
6	2.9	.7	TRACE									.3	
6	1.0	TRACE	7.0	TRACE								TRACE	7.0
6		5.5		.3							TRACE	TRACE	
7	2.0	TRACE	TRACE	TRACE								1.9	2.0
7	TRACE	4.2	TRACE	TRACE								TRACE	4.2
MEAN													
S. D.													
TOTAL OBS.													

SMOS

2

WEATHER CONDITIONS

17721

PATUXENT RIVER, MARYLAND

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	.6	9.0				9.0	19.7	21.6			34.5	310
	04	.3	11.0				11.0	29.4	21.0			42.3	310
	07		8.4				8.4	36.1	21.9			46.8	310
	10		6.8		.3		6.8	12.6	26.5			36.5	310
	13	.3	7.7				7.7	10.0	22.6			31.9	310
	16		7.4				7.4	10.0	24.2			32.9	310
	19		9.0				9.0	11.3	25.2			34.5	310
	22	.3	9.0				9.0	16.1	23.2			35.2	310
TOTALS		.2	8.5		.0		8.5	18.2	23.3			36.8	2400

NAVWEASERVCOM

EXTREME VALUES

728
STATION

45-2

YEARS

[illegible]

SMOS

2

WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		10.0		.3		10.3	18.7	13.7			30.0	300
	04		9.0		.7		9.7	24.0	11.3			32.0	300
	07		6.7		1.0		7.7	31.0	17.3			43.3	300
	10		9.0		.7		9.7	17.7	24.7			39.3	300
	13		9.0		.3		9.3	13.3	22.3			35.0	300
	16		8.0				8.0	12.0	24.7			34.7	300
	19		9.0		.3		9.3	14.0	20.7			32.3	300
	22	.3	10.3		.3		10.7	16.0	16.3			29.0	300
TOTALS		.0	8.9		.5		9.3	18.3	18.9			34.5	2400

NAVWEASERVCOM

EXTREME VALUES

STATION	STATION NAME	YEARS
1701	PATUENT RIVER, MARYLAND	45-82

[illegible]

SMOS

2

WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		8.4	.3	1.6		10.0	18.4	7.1			23.9	310
	04		10.6	.6	2.6		13.2	21.3	6.5			25.5	310
	07		10.6	.3	1.3		11.3	25.8	8.7	.6		32.6	310
	10		12.6		1.3		13.9	20.6	11.9	.3		32.3	310
	13		10.6		2.3		12.6	17.4	11.9	.3		28.4	310
	16		9.4		2.3		11.3	16.1	13.9			28.7	310
	19		11.3	.3	1.6		12.3	18.1	10.7			27.8	309
	22	.3	8.4	.3	1.6		10.4	18.4	7.1			24.9	309
TOTALS		.0	10.2	.2	1.8		11.9	19.5	9.7	.2		28.0	2478

NAVWEASERVCOM

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WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		9.6	.8	4.3		14.3	19.1	10.0	.1		27.6	2478
FEB		.1	8.5	.3	4.3		12.8	18.0	11.5	1.0		29.0	2256
MAR		.2	11.9	.3	1.8		13.6	18.8	13.2	.2		30.9	2480
APR		.5	9.3		.2		9.3	11.1	15.1			24.1	2400
MAY		1.5	9.9				9.9	21.1	31.0			46.2	2480
JUN		1.4	6.3				6.3	13.4	42.0			50.7	2400
JUL		2.7	6.0				6.0	14.8	56.7			62.1	2480
AUG		2.4	5.3				5.3	15.3	61.9			67.5	2480
SEP		.7	7.6				7.6	17.4	41.9			51.6	2400
OCT		.2	8.5		.0		8.5	18.2	23.3			36.8	2480
NOV		.0	8.9		.5		9.3	18.3	18.9			34.5	2400
DEC		.0	10.2	.2	1.8		11.9	19.5	9.7	.2		28.0	2478
TOTALS		.8	8.5	.1	1.1		9.6	17.1	27.9	.1		40.7	29212

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION

PATUXENT RIVER, MARYLAND

45-00

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				1	0	1	1	0	0	1	1	1	SNO DPTH DAYS
4		1	0	0	0	0	1	1	0	1	1	1	SNO DPTH DAYS
4		1	0	1	0	0	0	1	0	1	0	1	SNO DPTH DAYS
4		1	0	0	0	0	0	0	1	0	0	0	SNO DPTH DAYS
	31												SNO DPTH DAYS
		30											SNO DPTH DAYS
		27		1									SNO DPTH DAYS
	TRACE			29				25			TRACE	29	SNO DPTH DAYS
3	TRACE		4									3	SNO DPTH DAYS
5		27	3				30			30		30	SNO DPTH DAYS
5												30	SNO DPTH DAYS
5												TRACE	SNO DPTH DAYS
							21					3	SNO DPTH DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721 PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 JANUARY ALL
STATION STATION NAME YEARS MONTH HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.2		3.9	2.9	1.0	8.3			27.8	1.0	8.8			58.5
NNE	13.4	.9	1.8	3.6	2.7	10.7			22.3		11.6			55.4
NE	14.1		2.6	2.6	1.3	10.3			23.1		14.1			59.0
ENE	9.8		3.3	4.9		11.5			23.0	4.9	21.3			49.2
E	12.0		4.0	1.3	1.3	8.0			25.3		12.0			58.7
ESE	28.3			2.2		4.3			34.8	2.2	17.4			43.5
SE	9.4		2.1			4.2			28.1	1.0	19.8			49.0
SSE	20.9		1.7	.9		1.7			32.2		14.8			53.0
S	10.0					6.9			18.5	3.1	10.8			66.2
SSW	6.7	1.1	2.2	1.1		2.2			12.0	3.3	12.0			69.6
SW	5.5	2.8				1.8			15.6	3.7	12.8			69.7
WSW	7.1	.7	.7			1.4			8.5	1.4	8.5			79.4
W	1.1	1.1	1.1			1.1			9.1	1.6	6.5			83.3
WNW	1.5		1.5			2.5			8.3	1.5	4.9	.5		84.8
NW	5.2	.7	2.6			1.5			12.3	1.1	7.1	.4		77.7
NNW	3.6	.6	1.9		.3	3.4			11.3	.3	7.8			79.4
VARIABLE														
CALM	6.7		2.1	.4		3.3			10.4	7.8	9.2			69.6
TOTAL	192	12	47	20	8	103			424	49	247	2		1711
% TOTAL	7.7	.5	1.9	.8	.3	4.2			17.1	2.0	10.0	.1		69.0

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND 1946-1982
STATION STATION NAME YEARS

JANUARY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.72	44	1961	5.3	135	1962
2	1.37	35	1979	0.7	18	1948
3	0.75	19	1932	T	T	1981*
4	0.74	19	1952	1.1	28	1982
5	0.53	13	1949	4.8	122	1980
6	2.14	54	1962	2.9	74	1970
7	0.85	22	1976	6.3	160	1977
8	0.60	15	1965	2.0	51	1973
9	0.81	21	1964	2.0	51	1968
10	1.05	27	1952	4.1	104	1962
11	0.81	21	1980	4.0	102	1955
12	0.88	22	1948	1.0	25	1979*
13	2.00	51	1948	5.4	137	1964
14	1.68	43	1958	6.9	175	1982
15	0.50	13	1954	3.9	99	1957
16	0.52	13	1965	5.2	132	1965
17	1.72	44	1978	1.7	43	1965
18	1.12	28	1980	0.4	10	1948
19	0.64	16	1961	5.0	127	1967
20	1.07	27	1979	3.7	94	1975
21	1.64	42	1949	0.3	8	1982
22	1.40	36	1954	11.2	284	1954
23	0.43	11	1969	0.6	15	1948
24	0.87	22	1979	5.5	140	1948
25	0.92	23	1958	0.8	20	1957
26	0.90	23	1966	8.0	229	1966
27	1.73	44	1976	3.0	76	1966
28	1.31	33	1952	4.3	109	1962
29	0.80	20	1966	8.0	203	1966
30	0.90	23	1966	9.0	229	1966
31	0.68	17	1949	2.1	53	1980
Monthly	2.14	54	1962	11.2	284	1954

FEBRUARY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.88	22	1958	4.0	102	1962
2	1.74	44	1973	5.5	140	1972
3	0.92	23	1952	4.0	102	1961
4	0.92	23	1952	3.0	76	1975
5	0.81	21	1960	0.7	18	1978
6	0.66	17	1964	5.7	145	1978
7	1.15	29	1971	6.0	152	1979
8	1.75	44	1961	4.2	107	1974
9	0.65	17	1970	3.0	76	1967
10	0.45	11	1949	2.0	51	1967
11	0.91	23	1981	7.2	183	1964
12	0.56	14	1953	4.0	102	1979
13	1.25	32	1971	5.4	137	1960
14	0.37	9	1965	3.7	94	1965
15	1.44	37	1953	0.4	10	1958
16	0.46	12	1982*	0.7	18	1962
17	1.15	29	1982	7.5	191	1967
18	1.09	28	1960	9.0	229	1979
19	1.21	31	1972	11.7	297	1979
20	1.12	28	1981	2.8	71	1969
21	2.09	53	1954	0.1	3	1960
22	0.80	20	1971	3.3	84	1948
23	1.18	30	1969	0.7	18	1972
24	3.06	78	1979	2.0	51	1966
25	1.02	26	1979	1.3	33	1950
26	0.73	19	1972	1.5	38	1952
27	1.14	29	1958	6.6	168	1982
28	0.97	25	1966	6.9	175	1964
29	0.64	17	1968	4.1	104	1968
30						
31						
Monthly	3.06	78	1979	11.7	297	1979

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

FEBRUARY

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.7	1.5	4.6	1.5	.5	8.2			27.0	1.0	11.7	4.1		53.1
NNE	6.6		4.4	.7	2.2	14.7			25.0	.7	12.5	1.5		57.4
NE	9.2	1.0	5.1		1.0	6.1			22.4		21.4	1.0		56.1
ENE	17.9		9.0	1.5		10.4			31.3	1.5	7.5			58.2
E	13.6		1.7			6.8			23.7	1.7	16.9			55.9
ESE	7.8		5.9			11.8			21.6		31.4			41.2
SE	8.3	2.3	.8			3.8			18.2	3.8	22.0			54.5
SSE	7.5	4.5	1.5			2.3		.8	21.1	.8	14.3	.8		63.2
S	5.4	3.6	.9			1.8			10.7	2.7	9.8			75.0
SSW	2.0	3.1	1.0			1.0			11.2	3.1	10.2			74.5
SW	1.7	2.5	2.5						8.4	.8	13.4			76.5
WSW	3.6	1.2				1.2			15.5	2.4	16.7			66.7
W	2.4								14.1		5.9			81.2
WNW	3.9	1.3	.6			1.9			9.1	1.9	5.2	3.2		76.6
NW	1.1	1.1	.7	.4		2.2			8.8	1.1	5.5	1.5		82.5
NNW	1.9	.4	3.0	.4		5.6			10.8	.4	2.6	.7		82.5
VARIABLE CALM	3.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	18.0	6.0	18.0	2.0	2.0	81.9
TOTAL	117	30	53	7	5	96		1	366	40	260	23		1542
% TOTAL	5.2	1.3	2.3	.3	.2	4.3		.0	16.2	1.8	11.5	1.0		68.4

TOTAL NUMBER OF OBSERVATIONS 2,256

NAVWEASERVCOM

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.82	21	1952	5.6	142	1980
2	0.90	23	1948	6.3	160	1969
3	0.94	24	1960	9.4	239	1960
4	1.05	27	1955	0.3	8	1960
5	1.39	35	1965	2.2	56	1962
6	1.24	31	1979	2.3	58	1962
7	1.19	30	1948	3.2	81	1949
8	1.08	27	1951*	7.0	178	1947
9	0.90	23	1976	2.4	61	1960
10	1.26	32	1978	3.8	97	1960
11	0.83	21	1963	0.1	3	1979
12	1.33	34	1968	T	T	1974*
13	2.66	68	1980	T	T	1980*
14	0.77	20	1956	T	T	1980*
15	0.81	21	1953	T	T	1982*
16	1.19	30	1974	5.0	127	1960*
17	1.45	37	1968	1.0	25	1950
18	0.97	25	1949	T	T	1981*
19	1.89	48	1946	0.3	8	1981
20	1.97	50	1958	7.0	178	1958
21	0.91	23	1974	2.0	51	1958
22	1.08	27	1950	T	T	1973*
23	0.62	16	1949	T	T	1967
24	1.37	35	1952			
25	1.09	28	1953			
26	2.23	57	1978	7.0	178	1971
27	0.89	23	1978	0.9	23	1947
28	0.53	13	1980	0.8	20	1947
29	1.12	28	1974			
30	1.41	36	1974	3.0	76	1964
31	0.92	23	1961			
Monthly	2.66	68	1980	9.4	239	1960

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.28	33	1981	T	T	1964
2	0.75	19	1959			
3	0.86	22	1960			
4	1.07	27	1960	T	T	1954
5	1.16	29	1981	T	T	1975*
6	1.38	35	1956	T	T	1971
7	0.64	16	1972	0.3	8	1972
8	0.98	25	1957	T	T	1972*
9	0.86	22	1980	T	T	1982*
10	1.29	33	1958			
11	0.39	10	1962	T	T	1973
12	1.26	32	1947	T	T	1973*
13	0.41	10	1972*	T	T	1966
14	1.38	34	1970			
15	0.79	20	1975			
16	1.19	30	1947			
17	1.42	36	1982			
18	0.49	12	1949			
19	0.68	17	1969			
20	0.54	14	1958			
21	0.52	13	1958			
22	1.55	39	1972			
23	1.07	27	1958			
24	1.19	30	1945	T	T	1956
25	1.93	49	1946			
26	1.44	37	1978			
27	0.98	25	1954			
28	0.92	23	1966			
29	0.78	20	1951			
30	0.84	21	1963			
31						
Monthly	1.93	49	1946	0.3	8	1972

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

APRIL

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.6	6.0	2.0			.7			16.6	.7	16.6			64.9
NNE	4.4	4.4							10.0		14.4			74.4
NE	6.4	5.1	5.1						19.2	1.3	17.9			64.1
ENE	18.3	3.3	5.0					5.0	21.7	1.7	26.7			45.0
E	21.6	7.6	5.1					1.3	35.4	1.3	22.8			32.9
ESE	5.9	2.5	1.2			1.2		1.2	13.6	1.2	25.9			60.5
SE	1.7	3.4							10.1	1.1	30.3			62.4
SSE	5.6	3.9	.4					1.3	10.4	.4	21.6			66.2
S	2.4	3.6							6.0	.6	15.0			77.8
SSW	4.0	6.4	.8			.8		1.6	12.0	.8	22.4			65.6
SW	1.3	5.4				.7		1.3	3.4	1.3	14.8			76.5
WSW	2.0	3.0							3.0		11.1			83.8
W	2.0	2.6							5.3	1.3	7.9			84.2
WNW	1.1	.5	.5						2.1	1.1	5.8			89.5
NW	.8	4.9							4.1	1.2	5.8			86.0
NNW	3.7	3.1	2.5					.6	5.6		2.5			86.3
VARIABLE														
CALM	4.0	.6	2.4			1.2			10.3	.2	14.3			66.3
TOTAL	107	90	26			6		13	239	26	362			1746
% TOTAL	4.5	3.8	1.1			.3		.5	10.0	1.1	15.1			72.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.98	25	1976			
2	0.34	9	1974			
3	0.98	25	1954			
4	1.80	46	1978			
5	0.32	8	1958			
6	0.83	21	1958			
7	1.95	50	1967			
8	0.70	18	1971			
9	0.65	17	1978			
10	0.26	7	1981			
11	1.98	50	1961			
12	0.83	21	1974			
13	1.08	27	1971			
14	1.29	33	1972			
15	1.77	45	1950			
16	1.76	45	1971			
17	1.87	47	1945			
18	1.91	49	1946			
19	1.15	29	1957			
20	0.84	21	1953			
21	0.97	25	1966			
22	0.80	20	1949			
23	0.92	23	1951			
24	1.88	48	1979			
25	1.99	51	1958			
26	1.16	29	1948			
27	0.66	17	1957			
28	2.16	55	1968			
29	1.51	38	1976			
30	2.68	68	1971			
31	1.95	50	1972			
Monthly	2.68	68	1971			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.14	29	1975			
2	1.35	34	1974			
3	3.06	78	1963			
4	1.64	42	1979			
5	2.39	61	1957			
6	1.47	37	1977			
7	1.29	33	1947			
8	1.02	26	1951			
9	0.51	13	1958			
10	1.54	39	1951			
11	2.45	63	1945			
12	0.85	22	1971			
13	1.08	27	1982*			
14	2.37	60	1960			
15	1.14	29	1965			
16	0.90	23	1966			
17	1.67	42	1977			
18	0.97	25	1958			
19	1.83	46	1949			
20	1.02	26	1964			
21	1.55	39	1961			
22	2.64	67	1972			
23	0.54	14	1974			
24	2.38	60	1964			
25	0.31	8	1955			
26	1.13	29	1958			
27	1.13	29	1956			
28	0.88	22	1972			
29	1.42	36	1982			
30	1.02	26	1979			
31						
Monthly	3.06	78	1963			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSMAY
MONTHALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.7	1.2	4.7					.6	20.1	1.8	24.9			54.4
NNE	5.6	2.1	2.8					.7	18.9		28.7			53.1
NE	4.5	1.1	5.7						26.4		32.2			49.4
ENE	10.4	3.0	3.0					1.5	35.8		28.4			40.3
E	17.5	6.8	4.9					1.0	41.7	1.0	24.3			35.0
ESE	12.5	1.8	5.3						33.0	1.8	25.9			42.9
SE	5.0	4.6	.9					2.7	19.6	2.3	43.8			37.0
SSE	6.7	2.8	.4					1.8	13.7	2.8	41.9			46.8
S	7.4	3.5	.5					1.0	15.3	1.5	31.2			53.5
SSW	3.4	5.5	.7					2.8	11.0	4.1	32.4			53.8
SW		4.9	.7					.7	9.8	1.4	41.3			51.7
WSW		2.0						2.9	8.8	4.9	39.2			53.9
W	1.0	5.7						4.9	9.0	8.2	23.8			60.7
WNW		3.3						1.7	6.6	5.0	16.5			72.7
NW	2.6	5.1						1.3	13.5	2.6	21.2			62.8
NNW	3.3	4.9	1.6						17.9	1.6	17.9			65.0
VARIABLE														
CALM	1.1	2.2						1.1	21.6	12.1	31.3			56.7
TOTAL	121	88	39					37	445	79	769			1276
P. TOTAL	4.9	3.5	1.6					1.5	17.9	3.2	31.0			51.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.61		15 1979			
2	1.52		39 1945			
3	1.86		47 1978			
4	2.77		70 1981			
5	1.07		27 1945			
6	0.71		18 1961			
7	0.42		11 1954			
8	1.91		49 1956			
9	1.70		43 1945			
10	1.67		42 1959			
11	1.42		36 1975			
12	2.56		65 1969			
13	1.91		49 1975			
14	1.93		49 1959			
15	2.16		55 1959			
16	1.57		40 1949			
17	2.58		66 1945	T	T	1980
18	1.96		50 1945			
19	1.55		39 1982			
20	1.22		31 1956			
21	1.73		44 1979			
22	2.33		59 1980			
23	1.84		47 1948			
24	3.04		77 1958			
25	1.55		39 1978			
26	0.85		22 1981			
27	1.62		41 1960			
28	1.13		29 1981			
29	1.42		36 1960			
30	4.61		117 1960			
31	0.87		22 1978			
Monthly	4.61		117 1960	T	T	1980

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.26		83 1949			
2	2.07		53 1979			
3	1.25		32 1953			
4	2.19		56 1948			
5	1.66		42 1972			
6	1.73		44 1975*			
7	3.71		94 1974			
8	3.03		77 1953			
9	1.04		26 1954			
10	0.53		13 1954			
11	3.04		77 1979			
12	4.96		126 1955			
13	2.39		61 1955			
14	2.98		76 1953			
15	2.00		51 1958			
16	1.41		36 1975			
17	1.12		28 1982			
18	1.53		39 1955			
19	1.62		41 1957			
20	5.88		149 1969			
21	2.65		67 1973			
22	0.74		19 1967			
23	0.83		21 1967			
24	2.54		65 1958			
25	4.67		119 1958			
26	2.76		70 1971			
27	3.19		81 1947			
28	1.08		27 1944			
29	0.50		13 1959			
30	0.80		20 1957			
31	0.91		23 1978			
Monthly	5.88		149 1969			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

JUNE

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.2	5.5	6.6					2.2	17.6	2.2	36.3			47.3
NNE	10.5	3.2	5.3					1.1	17.9	2.1	32.6			49.5
NE	6.7	2.2	2.2					1.1	20.2		20.2			59.6
ENE	6.3	9.4						3.1	25.0	1.6	29.7			48.4
E	6.0	6.0	1.2					2.4	15.7	4.8	36.1			45.8
ESE		3.5						1.2	9.4	2.4	35.3			54.1
SE	2.3	1.1	.6					1.7	5.1	1.7	46.0			48.9
SSE	4.1	1.2						1.6	5.7	2.0	53.3			40.2
S	2.6	4.5						1.9	8.3	3.4	44.4			45.5
SSW	2.1	3.7						.5	8.6	2.7	50.8			41.2
SW	1.1	3.7						1.1	4.8	4.8	49.7			45.0
WSW	2.3	4.6						.8	12.2	1.5	55.0			35.9
W		5.3						2.6	11.8	6.6	44.1			44.1
WNW		3.7							13.4	3.7	35.8			52.2
NW		3.1						2.3	4.6	1.5	26.7			67.9
NNW	2.3	.8						1.5	3.8	3.8	32.6			58.3
VARIABLE														
CALM		.7							15.2	7.9	42.4			57.7
TOTAL	60	80	15					34	244	78	1008			1147
P. TOTAL	2.5	3.3	.6					1.4	10.2	3.3	42.0			47.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.78	20	1975			
2	1.66	42	1969			
3	0.99	25	1974			
4	0.16	4	1974			
5	3.21	82	1979			
6	1.20	30	1968			
7	1.04	26	1957			
8	0.51	13	1981			
9	2.01	51	1977			
10	1.69	43	1970			
11	1.11	28	1960			
12	3.89	99	1960			
13	0.96	25	1950			
14	0.16	55	1966			
15	1.03	49	1951			
16	1.52	39	1965			
17	1.26	33	1945			
18	0.21	56	1975			
19	0.97	25	1955			
20	0.98	25	1946			
21	2.67	68	1946			
22	2.60	66	1982			
23	2.75	70	1975			
24	0.75	20	1946			
25	0.98	25	1947			
26	2.28	58	1982			
27	1.57	40	1976			
28	1.12	28	1974			
29	0.81	21	1963			
30	1.79	45	1964			
31						
Monthly	3.89	99	1960			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.59	40	1964			
2	1.52	39	1973			
3	1.14	29	1980			
4	0.90	23	1962			
5	2.05	52	1948			
6	1.76	45	1957			
7	0.77	20	1951			
8	0.85	22	1967			
9	0.96	24	1975			
10	1.29	33	1971	0.1	3	1979
11	0.96	24	1952			
12	0.47	12	1946			
13	0.49	12	1982			
14	1.20	30	1959			
15	0.42	11	1954			
16	0.71	18	1964			
17	1.61	41	1975			
18	1.33	34	1980			
19	3.55	90	1966	T	T	1972
20	2.46	37	1976			
21	3.53	90	1961			
22	0.94	24	1958			
23	2.38	60	1945			
24	1.28	33	1959			
25	3.08	78	1980			
26	1.97	50	1977			
27	0.40	10	1954			
28	2.17	55	1953			
29	0.97	25	1973			
30	1.61	41	1956			
31	2.63	67	1949			
Monthly	3.55	90	1966	0.1	3	1979

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSJULY
MONTHALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.9						.9	7.5	.9	37.7			57.5
NNE		2.2						.7	7.4	1.5	37.8			60.0
NE		5.8	1.4						11.6	5.8	47.8			43.5
ENE		6.0						4.0	24.0	8.0	50.0			40.0
E	9.3	2.7						2.7	20.0	1.3	57.3			29.3
ESE	1.0	9.3	1.0					5.2	6.2	1.0	60.8			35.1
SE	1.8	2.9						1.8	5.3	2.9	58.8			37.6
SSE	2.3	3.4						3.4	5.2	2.3	63.2			30.5
S	1.1	4.2						3.8	7.3	5.4	55.9			37.2
SSW	2.7	5.4						2.2	5.4	2.7	53.2			39.2
SW	1.0	5.7						2.4	7.7	3.8	56.9			36.4
WSW	2.0	4.7	.7					4.0	12.1	4.0	67.1			25.5
W	2.8	2.2						2.8	11.6	6.1	64.6			28.7
WNW		7.8						5.7	14.9	8.5	68.1			22.7
NW	.7	2.2	.7					1.5	11.7	6.6	60.6			31.4
NNW		3.5						1.8	9.7	6.2	48.7			46.0
VARIABLE														
CALM	.9	6.3						1.8	14.8	11.5	57.5			31.9
TOTAL	36	108	4					66	247	120	1406			900
% TOTAL	1.5	4.4	.2					2.7	10.0	4.8	56.7			36.3

TOTAL NUMBER OF OBSERVATIONS 2,479

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUMENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

NOVEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.95	50	1949			
2	4.22	107	1956			
3	3.79	96	1947	T	T	1962
4	1.20	30	1982			
5	1.08	27	1962	T	T	1962
6	2.50	64	1963	0.3	8	1953
7	1.57	40	1959	0.1	3	1953
8	1.34	34	1972	T	T	1975
9	1.50	38	1962			
10	1.07	27	1955			
11	1.41	36	1979			
12	0.12	54	1968	0.7	18	1976
13	1.21	31	1982			
14	1.12	28	1945			
15	1.05	27	1970			
16	0.62	16	1956	T	T	1980
17	0.69	18	1956	T	T	1980*
18	0.73	19	1962			
19	1.20	30	1972	T	T	1963*
20	0.67	17	1952			
21	2.89	73	1952			
22	0.98	25	1945	T	T	1972
23	0.91	23	1953			
24	2.26	52	1959			
25	1.39	35	1964	T	T	1950
26	1.57	40	1979	0.4	10	1978
27	0.72	18	1948	0.4	10	1978
28	1.00	25	1948	0.1	3	1950
29	1.02	26	1963	0.4	10	1952
30	0.71	18	1967	7.1	180	1967
31						
Monthly	4.22	107	1956	7.1	180	1967

DECEMBER MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.73	19	1974	T	T	1956*
2	0.17	4	1952	T	T	1955*
3	1.48	38	1948			
4	1.03	26	1950	3.0	76	1957
5	1.21	31	1945	T	T	1954
6	0.81	21	1959	1.0	25	1954
7	0.92	23	1976	T	T	1975*
8	0.86	22	1974	1.8	46	1976
9	1.30	33	1978	T	T	1981*
10	1.74	44	1969	T	T	1982*
11	1.32	34	1960	4.0	102	1960
12	0.37	22	1959	6.5	165	1982
13	0.87	22	1959	0.6	15	1945
14	0.89	23	1953	3.6	91	1958
15	1.19	30	1948*	2.0	51	1981
16	1.66	42	1974	1.4	36	1973
17	0.68	17	1961	1.9	48	1973
18	1.87	47	1977	1.5	38	1946
19	0.92	23	1948	6.0	152	1945
20	1.40	36	1946	T	T	1982*
21	0.92	23	1952	6.5	165	1962
22	0.93	24	1969	2.0	51	1967
23	0.57	14	1961	3.0	76	1966
24	0.80	20	1966	8.0	203	1966
25	0.53	13	1945	4.5	114	1962
26	1.24	31	1969	1.5	38	1947
27	0.87	22	1964	T	T	1980*
28	0.78	20	1967	2.0	51	1966
29	1.09	28	1958	1.2	30	1976
30	0.98	25	1969	T	T	1977*
31	1.91	49	1975	6.3	160	1946
Monthly	1.91	49	1975	8.0	203	1966

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NOCH, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION

PATUXENT RIVER, MARYLAND

45-00

YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				47NW	46NW	46N	42NW	45	35	48NW	42NW	43S	38
4		37NW	49W	42NW	43NW	36N	5	NW	41NW	37NW	49NW	36NW	53
4		48NW	47W	57SW	34SW	45NE	48N	37ESE	24NW	35NE	33NW	42NW	37
		36NW	47NW	37	4NW	47NNE	39S	44NW	32NW	33NNE	44NW	40NW	50
		48NW	48NW	47ESE	40NW	48ESE	40SW	68ESE	65NW	34NNE	35NW	43NW	43
		48NW	49NW	46NW	41NW	63NW	41NW	37NW	47NW	36NW	42NW	49NW	42
		48NW	47NW	44N	38NW	39W	43NW	54NW	51NW	30NW	48		
		47NW	48NW	46N	42SW	35SW	50NW	34W	44S	58NW	46SE	45NW	37
		44NW	36NW	39NW	42NW	44NW	55N	39N	48NW	46NW	39NW	50NW	43
4		48N	51S	48NW	46N	46NW	70NW	71NW	61NW	46SE	110NW	46W	48
5		33NW	54SSW	62NW	63W	44ESE	54SW	42ESE	69N	51NW	55NW	47NW	46
5		48NW	55NW	61NW	52NW	54NW	52NW	47NW	60NW	62NE	55N	48NW	47
5		62NW	38NW	46NW	60NW	38SSW	63NW	33SW	56NW	38ESE	69NW	48ESE	53
5		48NW	49N	57NW	41NW	42NW	60W	40SW	46W	41NW	39NW	55	
		47NW	43NW	47NE	37NW	31NW	43NW	42NNE	31SE	31S	30NW	42NW	38
		42E	61NW	48NW	38NW	37SW	48WSW	47NW	43NW	45N	35SW	31NW	43
		44SW	47NW	40	43NW	33SW	48W	34SSW	28N	29NNE	30NW	34SSW	29
		22N	27N	35W	34SSW	32SW	30NW	35SW	24SE	23W	26ESE	36NW	39
5		39NW	31W	34SW	41NW	28NNE	32W	27NW	31S	31NW	27NW	35NW	3
4		34W	41SW	45SW	35NW	26W	51E	47E	34NNE	33NW	31SE	33NW	34
5		42NW	43SW	36NW	38SSW	43W	38NW	32NW	49NW	26SE	43W	40NW	30
6		41SE	32W	37SW	30W	33NW	28W	35W	34SE	29NW	28S	32NW	33
67		35SW	37NW	46NW	44SW	44SW	25NW	32SW	36W	35SW	42NW	40SW	40
67		35NW	36NW	43NW	36NW	36S	38NW	27E	47S	29NW	29NNE	39W	40
6		31NW	42NW	35N	34SSW	37WSW	40NW	32SSW	39S	25NW	29NW	42NW	38
		42NW	37N	26W	44NW	28SW	30W	NW	29W	40NW	28NW	33NW	38
		432	4231	4034	3825	7732	4915	3401	2913	2415	2831	3424	44
31		3421	4227	3512	2832	2534	3724	2624	2421	2832	3014	4229	31
26		3319	3624	4229	3233	2812	2331	2315	2316	3016	3021	3602	36
23		2916	3626	4325	3632	3332	2929	3615	2733	3433	2727	3210	49
MEAN													
S. D.													
TOTAL OBS.													

SMOS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

OCTOBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.9	3.2	1.6						14.9	3.7	18.6			62.8
NNE	11.7	3.1	4.7		.8			.8	25.0	.8	26.6			49.2
NE	14.1	3.9	4.7						25.0	3.9	15.6			53.1
ENE	7.3	1.0	1.0					1.0	17.7	3.1	12.5			70.8
E	8.1	1.0	3.0						14.1	6.1	24.2			60.6
ESE	10.1		2.9					1.4	20.3	5.8	26.1			50.7
SE	3.7	2.5							18.5	3.7	42.0			40.7
SSE	6.9	5.2							18.1	4.3	49.1			33.6
S	6.7	2.2	.6						10.6	4.5	34.6			52.5
SSW	2.5	1.9							8.3	4.5	27.4			62.4
SA	4.1	1.4							6.8	2.7	34.7			57.1
WSW	4.3	.9							8.6	6.0	24.1			63.8
W	4.0	4.0	.6						9.8	5.7	22.4			63.8
WNW	2.8	2.2	.6					.6	6.7	2.8	10.7			80.9
NW	1.6	2.1	1.0					.3	8.9	6.8	12.6			73.8
NNW	4.2	1.9	.5						8.5	.9	8.5			81.7
VARIABLE														
CALM	4.9	1.8							4.3	23.7	24.8			53.7
TOTAL	130	58	27		1			5	310	140	577			1520
TOTAL	5.2	2.3	1.1		.0			.2	12.5	5.6	23.3			61.3

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSNOVEMBER
MONTHALL
HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	.5	5.9			.5			18.1	1.0	16.2			64.7
NNE	16.7		7.5			.8			29.2	2.5	29.2			41.7
NE	6.6	1.1	2.2		1.1	2.2			27.5	1.1	29.7			44.0
ENE	12.5	3.1	4.7			4.7			26.1	1.6	34.4			32.8
E	15.5		1.7		1.7				27.6	3.4	25.9			44.8
ESE	12.1		5.2						27.6	1.7	41.4			32.8
SE	1.1	3.3	1.1						22.8	1.1	33.7			43.5
SSE	5.9	3.0	1.0						22.8	1.0	34.7			45.5
S	6.1	3.7	1.2			.6			15.5	2.5	33.5			52.8
SSW	3.4	3.4	.7						8.2	3.4	16.3			70.7
SW	1.4	2.9	.7						10.9	2.2	18.8			71.0
WSW		2.1							5.0		15.7			78.6
W	2.6	1.0	1.5						11.8	4.1	13.8			70.3
WNW	1.2								7.0	4.1	8.1			82.0
NW	4.0	.5				.5			9.5	3.0	7.5			79.5
NNW	6.7	1.6	.4						10.2	.8	7.5			79.5
VARIABLE														
CALM	4.9	1.0	1.0					.5	24.0	0.8	14.6			59.0
TOTAL	135	37	42		2	9		1	373	67	453			1531
% TOTAL	5.6	1.5	1.8		.1	.4		.0	15.5	2.8	18.9			63.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

EXTREME VALUES

17	PATUXENT RIVER, MARYLAND
STATION	STATION NAME

45-2

YEARS

[illegible]**SMOS**

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

17721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

DECEMBER

ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0		3.0	.5	2.5	3.5			29.0	.5	9.0			60.0
NNE	15.1	.7	2.9	.7	.7	2.9			33.1		7.2	1.4		57.6
NE	9.8		4.9	1.2	1.2	6.1			12.2		12.2	1.2		65.9
ENE	17.1		1.3			1.3			19.7	1.3	9.2			64.5
E	17.3		1.3			1.3			25.3	1.3	21.3			50.7
ESE	20.0		1.8						23.6	5.5	14.5			56.4
SE	13.4	1.5	3.0						23.9	7.5	19.4			52.2
SSE	16.8	1.9	.9						31.8	1.9	15.0			50.5
S	10.2	1.8	.6		.6				18.1	1.8	10.8			68.1
SSW	6.5	1.9	1.3	.6	.6	1.3			13.6	1.3	15.6			68.8
SW	5.8	1.8	1.2						11.7	2.3	17.0			69.6
WSW	3.6		1.5						11.3	.8	3.8			80.5
W	5.6	.7				2.8			13.9	1.4	6.3			75.7
WNW	1.7	.6	.6			1.1		.6	10.9	1.1	2.9			85.1
NW	2.5	1.3	.4			1.3			8.4	.4	3.4			85.7
NNW	2.7	1.2	1.6		1.2	3.5			11.8	1.2	5.5	.4		80.0
VARIABLE														
CALM	5.4	.4	2.5	.8		1.2			21.1	4.6	12.8			63.4
TOTAL	202	22	39	6	12	41		1	437	47	241	4		1722
% TOTAL	8.2	.9	1.6	.2	.5	1.7		.0	17.6	1.9	9.7	.2		69.5

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17701 STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-82 MONTH JAN
CLASS ALL WEATHER
CONDITION 01
HOURS (LST) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	2.3	.6								7.1	5.9
NNE		1.0	1.5	.6								3.2	7.4
NE	.6	.6	.3	.6								2.3	7.0
NNE	1.0	.3	.3	.3								1.9	5.7
E	.3	1.9	.6									2.9	5.2
ESE		1.0	.6									1.6	6.2
SE	.6	.3	.6									1.6	5.6
SSE	.6	2.3	1.0	1.0	.3							5.2	7.9
S	1.9	1.9	1.5	.3								5.9	5.6
SSW	.3	.3	1.6	1.0								3.2	9.0
SW	1.0	1.0	1.0	.6								3.6	7.3
WSW	.6	1.0	2.6	.6	.3	.3						5.5	9.0
W	2.6	4.2	1.9	1.0								9.7	6.0
WNW	1.6	1.6	2.5	3.2	.6							9.7	9.4
NW	1.0	4.9	2.9	1.9								10.7	7.3
NNW	2.9	3.9	5.2	1.6								13.6	6.9
VARB.													
CALM												12.3	
	17.2	28.5	26.9	13.6	1.3	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 379

8808

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-82 JAN
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
04
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	3.2	1.9								7.8	6.0
NNE	1.0	1.3	1.0	.3								4.7	5.8
NE		.6	.6	.3								1.6	7.4
ENE	.6	1.0	.3									1.9	4.3
E		1.3	.6									1.0	6.0
ESE		1.3										1.3	4.8
SE	1.0	.3	.6									1.9	4.6
SSE	1.6	1.6	.3	.3								3.9	4.4
S	.6	3.2	1.6	.3								5.6	6.3
SSW	.6	.6	1.0	.3		.3						2.9	8.3
SW		.6	1.6	1.0								3.2	8.9
WSW	.7	.6	1.3	1.3		.3						3.9	9.8
W	1.9	1.3	2.3	1.9								7.4	7.7
WNW	1.9	1.3	1.6	4.2	.3	.3						9.7	9.5
NW	2.3	3.2	3.6	1.6	.3							11.0	7.1
NNW	1.3	7.4	4.5	1.3	.3							14.0	6.6
VARB.													
CALM												16.5	
	14.2	29.2	24.3	14.9	1.7	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 309

8806

2

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSALL
MONTHALL
HOURS L.S.Y.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.8	2.1	3.9	.7	.4	2.6		.5	20.7	1.4	19.9	.4		57.2
NNE	9.9	1.9	4.0	.6	.7	3.1		.6	21.0	1.1	24.4	.5		52.4
NE	8.7	2.5	3.6	.3	.4	2.1		.2	20.5	1.9	25.2	.3		53.0
ENE	10.6	2.4	2.7	.5		2.4		1.2	23.4	2.5	26.1			50.0
E	11.2	3.7	2.5	.1	.2	1.4		1.0	23.5	2.3	31.4			44.7
ESE	9.0	2.9	2.2	.1	.1	1.1		1.1	18.1	2.4	33.8			47.1
SE	4.7	2.6	.8			.6		.9	14.1	2.5	39.9			45.7
SSE	6.6	3.1	.5	.0		.2		1.3	14.1	1.7	39.4	.0		46.4
S	5.2	3.6	.3		.1	.6		1.3	10.9	3.0	35.5			52.4
SSW	3.2	3.3	.5	.1	.1	.3		1.2	9.0	3.7	33.8			55.2
SW	1.8	3.2	.4			.2		.6	7.7	3.8	35.9			55.8
WSW	2.3	2.3	.3			.2		1.0	9.3	3.1	32.1			58.4
W	2.3	2.5	.4		.1	.4		1.2	10.4	5.9	27.7			59.9
WNW	1.5	2.0	.4			.6		.8	8.4	3.9	20.7	.3		69.7
NW	2.1	2.2	.8	.0		.8		.4	9.3	2.8	16.1	.2		72.5
NNW	3.1	1.8	1.4	.0	.2	1.7		.5	9.8	1.7	14.1	.1		74.1
VARIABLE														
CALM	2.9	1.6	1.1	.1		.6		.4	17.6	11.0	28.9			51.1
TOTAL	1407	736	391	41	33	297		238	3984	1011	8189	34		16629
% TOTAL	4.8	2.5	1.3	.1	.1	1.0		.8	13.6	3.5	28.0	.1		56.9

TOTAL NUMBER OF OBSERVATIONS 29,211

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	2.0	.6								7.7	6.3
NNE	1.0	2.0	.3									4.2	5.0
NE	.6	2.3	.3	.3								3.0	5.9
ENE	1.6	1.3	.3									3.2	4.2
E	.6	2.5										3.2	4.8
ESE		1.0	.3	.3								1.6	6.8
SE	1.0	1.0	1.0									2.0	4.9
SSE	1.0	1.0	.6									2.6	4.3
S	1.0	1.0	1.0	.3								4.2	5.7
SSW	1.6	1.0	1.0	2.3								5.3	6.0
SW	1.3	2.6	.6	.3	.3		.3					5.5	7.3
WSW	1.6	1.0	1.0	1.0								4.5	6.5
W	3.2	2.6	.6	1.3	.3							8.1	6.1
WNW	1.6	1.6	2.3	2.3	1.3							9.0	9.6
NW	2.3	3.2	1.6	1.6								8.7	6.7
NNW	2.9	3.9	5.8	1.9								14.5	7.0
VARIABLE													
CALM												10.7	
	27.2	32.3	19.7	12.3	1.9		.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

310

8805

NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-02
YEARS

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.6	4.2	1.0								9.7	7.1
NNE	.6	4.5	1.6									6.8	5.6
NE	.5	.6	.5									1.9	5.2
ENE	.5	1.9	.6									3.2	5.0
E	1.0	2.3	.6	.6								4.5	5.7
ESE		1.0	.3									1.3	5.5
SE	.6	1.9	.6									3.2	5.0
SSE	.3	1.9	1.0	.3								4.5	6.5
S	.7	1.3	.6	1.0	.3							3.5	8.4
SSW	.3	1.0	2.3	1.3								4.9	8.5
SW	1.7	.6	1.9	1.6	.3							5.3	9.1
WSW	.7	1.0	1.3	.6	.3	.3						3.9	10.5
W	1.0	2.3	2.6	2.3	.6							8.7	9.1
WNW	.6	1.3	3.2	1.3	1.0							7.4	10.0
NW	.6	3.2	2.6	5.8	1.6							13.9	10.6
NNW	1.3	3.2	6.8	.6	.3							12.3	7.6
VARBL													
CALM												4.5	
	10.6	31.6	31.0	16.5	4.5	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION PATKENT RIVER, MARYLAND STATION NAME 45-A YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	52.0	13.9	2.1	6.3	4.5	7.6	7.8	4.2	1.5					34.1	1085	3.07	6.17	.4	
FEB	55.7	11.5	2.1	5.8	4.2	7.1	6.7	5.3	1.6	.1				32.5	989	2.89	7.02	.4	
MAR	51.1	11.0	2.5	5.8	4.3	6.9	6.3	5.8	2.2	.1				33.9	1147	3.53	7.00	.5	
APR	51.7	13.7	2.9	6.9	4.3	7.0	6.8	4.1	1.8					33.6	1140	2.89	6.74	.9	
MAY	51.3	13.5	2.6	7.0	4.4	7.0	7.3	5.3	2.3	.2				36.2	1178	3.80	9.80	.4	
JUN	55.1	13.7	2.3	6.5	4.3	5.5	4.9	5.2	3.1	.2				31.9	1110	3.51	7.34	.2	
JUL	54.1	13.1	2.2	5.7	3.9	6.7	5.5	4.7	3.7	.4				32.8	1147	4.28	5.51	1.0	
AUG	54.6	11.2	2.0	4.9	3.2	6.5	5.3	3.3	2.7	1.0	.1			29.2	1178	4.26	11.10	.6	
SEP	64.7	11.0	2.0	4.0	3.0	5.5	3.5	4.0	2.7	.5				25.0	1110	3.29	7.99	.5	
OCT	65.4	11.7	1.4	4.8	2.2	4.4	4.3	3.1	2.1	.3				22.8	1178	2.86	6.61	TRACE	
NOV	61.4	11.3	2.0	5.6	3.0	5.6	4.4	4.1	2.5	.2				27.3	1050	3.06	7.95	.3	
DEC	57.2	13.3	1.9	5.1	3.1	6.0	5.7	5.9	1.5					29.6	1116	3.18	6.50	.4	
ANNUAL	54.7	12.9	2.2	5.7	3.7	6.3	5.7	4.6	2.3	.2	.0			30.8	13428	3.62			

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1701 PATuxent RIVER, MARYLAND 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L.S.T.) 13

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	1.0	1.0	.3							8.7	7.9
NNE	.7	4.5	1.3									6.1	5.5
NE	1.0	1.0	1.0									3.9	5.3
ENE	1.0	2.6										3.6	4.3
E	1.6	1.6	.3									3.6	4.4
ESE	1.0	2.3	.6									3.0	4.3
SE	1.0	3.6	2.3									6.8	6.0
SSE	.7	1.3	1.3	.6								3.6	7.5
S		.3	2.3	1.0	.3							3.9	11.0
SSW	.7	.6	1.0	1.0								3.9	8.3
SW		.6	1.0	1.6								3.2	10.0
WSW		1.0	.6	2.6	1.3	.6						7.1	12.2
W		.6	2.3	2.6	1.0							6.5	11.6
WNW		1.6	2.9	2.3	1.0	.7						8.1	11.5
NW	1.0	1.3	2.0	6.1	1.3	.3						14.2	11.2
NNW	.6	3.6	5.2	1.9	.6							12.0	8.3
VARS													
CALM												1.0	
	9.7	31.7	28.8	21.7	5.8	1.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 309

8808

3

31457

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION EATON RIVER, MARYLAND STATION NAME 45-87 YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	79.0	17.3	2.1	1.9	1.8	.7	.5	.9	.4	.1				9.7	1154	5.6	29.0	.
FEB	83.4	9.1	.9	2.3	1.4	.8	.8	.4	.5	.1				7.2	961	5.1	22.3	.
MAR	90.7	6.0	.6	.9	.5	.4	.1	.4	.4					3.3	1116	2.7	22.0	.
APR	95.6	1.3	.1											.1	1110	TRACE	.3	.
MAY	99.0	.1													1179	TRACE	TRACE	.
JUN	100.0														1140	.0	.	.
JUL	96.0	.1													1116	TRACE	TRACE	.
AUG	100.0														1147	.0	.0	.
SEP	100.0														1140	.0	.	.
OCT	99.0	.1	.1											.1	1147	TRACE	.1	.
NOV	97.0	2.2	.6	.1					.1					.0	1050	.3	7.1	.
DEC	94.0	7.6	.5	1.2	.0	.2	.3	.2	.7					3.6	1054	2.4	13.0	.
ANNUAL	94.0	3.0	.4	.5	.4	.2	.1	.2	.1	.0				1.9	13213	16.1		

NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972. PATUXENT RIVER, MARYLAND 73-22 JAN
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MONTH
15
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	3.6	1.0								8.7	6.3
NNE	1.6	2.6	1.0	.3								5.5	5.2
NE	1.0	2.0	1.0									4.0	4.7
ENE	.6	1.0	.6									3.2	5.2
E	1.0	1.3										3.2	2.9
ESE	.6	1.3										1.9	4.0
SE	1.7	1.6	3.9	.3								7.1	6.9
SSE	1.0	2.3	3.2	.6								7.1	6.6
S	.7	.6	1.3	1.3								3.6	9.1
SSW	.7	1.0	.6	1.6								3.6	9.3
SW	.7	1.0	1.3	1.6								4.2	8.9
WSW	1.0	1.0	1.6	2.3								5.0	8.6
W	.7	2.3	2.3	1.3	.6	.7						7.1	9.7
WNW		.6	4.2	1.0	1.0							7.8	10.9
NW		3.0	4.2	3.6	1.0							12.6	9.9
NNW	.3	3.6	3.6	3.2								10.7	8.6
VARB.													
CALM												2.9	
	12.6	30.1	32.4	19.1	2.6	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 309

8808

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION PATUXENT RIVER, MARYLAND 45-27 YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH	TOTAL NO. OF	MONTHLY AMOUNTS (INCHES)
PRECIP	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701
STATION

PATIENT RIVER, MARYLAND
STATION NAME

73-92
YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.2	1.0	.6								7.1	6.3
NNE	1.3	1.3	1.0	.3								3.9	5.7
NE	2.3	1.0	1.0									4.2	4.4
ENE		.3	.6									1.0	7.3
E	1.0	.3	.6									1.0	4.3
ESE	.3	.3	1.0									1.6	5.6
SE	.6	1.6	.6	.3								3.2	5.7
SSE	.6	2.0	.3	.6	.3							4.2	6.7
S	7.0	3.5	.6	.6								8.1	4.0
SSW	.6	.3	1.6	.6								3.2	3.1
SW	.6	1.3	1.6		.6							4.2	6.3
WSW	.6	1.3	2.0	1.0	1.0							6.8	9.2
W	2.3	2.0	1.0	.6	.6							7.4	6.7
WNW	1.3	1.6	1.0	1.0	.6							6.5	8.9
NW	1.3	2.6	1.3	1.0	.6	.3						8.1	9.1
NNW	1.3	3.5	3.0	1.0	.6							10.5	8.4
VARB.													
CALM												17.4	
	18.7	29.0	10.4	10.6	4.5	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.2	1.6	1.3								9.4	6.0
NNE	.3	1.6	.3									2.3	5.6
NE	.7	1.6	1.0									2.6	5.3
ENE	.4	1.0										1.6	4.4
E	1.0	.6	1.0	.3								2.6	6.0
ESE	.6	.3	.6									1.6	5.6
SE	1.7	1.3	1.6									4.2	4.9
SSE	1.9	2.3	.6	.3								5.0	4.8
S	2.3	3.0	.3	.6								7.1	4.7
SSW	.6	1.0	.3	.3								2.3	5.9
SW	1.0	1.0	2.3	1.3								5.6	8.1
WSW	1.1	1.6	2.6	2.3	.6							8.1	9.2
W	1.9	1.0	.6	1.3	.3							5.2	7.5
WNW	.6	1.6	1.9	1.9	1.3	.7						7.7	10.6
NW	1.0	1.6	1.0	2.3	.6							7.4	8.9
NNW	2.2	3.0	3.5	3.5	.3	.7						14.5	7.8
VARBL													
CALM												12.3	
	27.3	27.4	20.4	15.5	7.2	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

E
2

7406-6432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND 77-02 YEARS JAN
STATION NAME MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.7	1.1	.7							8.3	5.7
NNE	.5	2.0	1.0	.2								4.5	5.6
NE	.5	1.5	.7	.2								3.2	5.4
ENE	.7	1.3	.4	.7								2.5	4.7
E	.5	1.5	.5	.1								3.0	4.9
ESE	.7	1.1	.4	.7								1.8	5.2
SE	.5	1.5	1.4	.1								3.5	5.7
SSE	1.0	1.9	1.2	.5	.1							4.5	6.2
S	1.7	2.1	1.1	.7	.1							5.2	6.3
SSW	.5	.7	1.3	1.1		.7						3.7	5.3
SW	.7	1.1	1.4	1.0	.2		.3					4.4	5.4
WSW	.7	1.2	1.7	1.5	.4	.2						5.7	9.5
W	1.7	2.1	1.7	1.5	.4	.7						7.5	7.9
WNW	1.7	1.4	2.5	2.4	.9	.1						8.7	10.0
NW	1.2	3.5	2.7	3.1	.7	.1						10.8	9.1
NNW	1.7	4.1	4.7	2.0	.3	.7						12.9	7.6
VARBL													
CALM												9.7	
	15.2	29.8	25.6	15.5	7.1	.7	.3					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11021 STATION NAME PATUENT RIVER, MARYLAND YEARS 73-80 FOR MONTH 01

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.7	1.1								4.6	4.2
NNE	1.1	1.1	1.1	1.8								5.7	7.4
NE	.7	1.1	.7		.4							5.3	6.9
ENE	.4	2.1	.4									2.3	5.7
E	.4	.4	1.1									1.1	5.3
ESE	.7	.7	.4									1.1	4.4
SE	1.4	1.4	1.1									3.6	4.9
SSE	1.1	1.4	.7	.4	.4							5.3	5.7
S	1.4	1.1	2.1	.4	.4							5.3	7.2
SSW	1.4	1.1	1.1	1.1								6.7	7.5
SW	.7	1.4	2.5	1.4								6.7	6.2
WSW	1.4	.7	.7	.4								3.7	5.7
W	.7	.7	.7	.4	.4							2.3	7.9
WNW	2.1	2.1	1.1	2.1	.7	.4						9.7	5.8
NW	2.1	2.1	2.5	2.5	.4							10.7	7.7
NNW	1.1	3.9	4.6	2.5	.4							13.1	7.2
VARBL													
CALM												12.1	
	20.4	27.3	23.2	13.8	2.8	.4						10.7	6.3

TOTAL NUMBER OF OBSERVATIONS 782

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

JUNO FALL
(FROM DAILY OBSERVATIONS)

121 PATUXENT RIVER, MARYLAND

45-07

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4													
4	1.1	2.6										6.7	1.2
4	1.7	.8	7.0									1.0	7.0
4	5.5	3.3	TRACE									TRACE	5.5
4			TRACE									TRACE	
4			5.									.2	TRACE
4	TRACE												
4		.9	TRACE										
4	TRACE												
4	1.2	TRACE		TRACE	TRACE							1.2	11.2
5													
5	1.4	TRACE	TRACE	TRACE							TRACE	TRACE	1.4
5	3.9	.5	.1									3.	3.9
5	4.9	.4	7.0									3.0	7.0
5	2.0	TRACE	TRACE	TRACE									
5	1.0	5.4	9.4	TRACE								4.0	9.4
5	5.0	4.7	TRACE								TRACE		5.0
5	5.3	4.0	2.3								TRACE	6.5	6.5
5	1.6	1.0	TRACE									2.0	2.0
4	5.4	7.2	3.0	TRACE							TRACE		7.2
5	5.2	3.7	3.0										5.2
6	9.	2.7	TRACE	TRACE							TRACE	8.	9.
6	5.	7.5	TRACE								7.1	2.0	7.5
6	3.0	4.1	2.3								TRACE	TRACE	4.1
6	.2	2.8	6.3								TRACE	.6	6.3
6	2.9	.7	TRACE									.3	
6	1.0	TRACE	7.0	TRACE								TRACE	7.0
6		5.5		.3							TRACE	TRACE	
7	2.0	TRACE	TRACE	TRACE								1.9	2.0
7	TRACE	4.2	TRACE	TRACE								TRACE	4.2
MEAN													
S. D.													
TOTAL OBS.													

SMOS

2

7404-102

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 PATIENT RIVER, MARYLAND 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

SEP NORTH

04

MOUSE (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	3.2	1.8								7.8	7.7
NNE	.4	1.4	3.2	.4								5.7	5.3
NE	.7	1.4	.7									2.9	5.6
ENE		.7	.4									1.1	6.3
E	1.1	1.1	1.1									3.2	5.1
ESE	.4	1.1										1.4	4.3
SE	.4	1.4	.4									2.5	5.1
SSE	1.4	1.1	1.1	.4	.4							4.5	6.2
S	1.1	2.5		.7								4.3	5.4
SSW	.7	.7	2.1	1.4								5.7	8.4
SW	.7	1.4	1.1	.7		.4						4.6	7.7
WSW	.4	.7	1.1	1.4								3.5	8.7
W	1.4	2.5	.7	.7								5.7	5.5
WNW	1.4	1.4	1.1	1.4	1.1							7.4	6.9
NW	3.4	4.6	2.5	2.8								13.8	6.6
NNW	3.2	2.4	6.7	2.1								14.2	7.2
VARBL													
CALM												12.8	
	19.5	27.0	25.2	13.8	1.4	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 252

8MOS

EXTREME VALUES

STATION	STATION NAME
7.	FATUXENT RIVER, MARYLAND

45-

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

SMOS

E
2

1406442

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721	PATUXENT RIVER, MARYLAND	73-82	FES
STATION	STATION NAME	YEARS	NORTH
ALL WEATHER			10
CLAS			HOURS (L S Y)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.1	5.0	2.8								11.7	8.1
NNE	1.4	2.8	1.8	.4								6.4	5.7
NE	1.1	4.3	.4	.7	.4							6.7	6.3
ENE		1.1	.4	.4								1.8	8.6
E	1.8	2.1	.7									4.6	4.2
ESE		1.1	.4									1.4	5.8
SE	1.1	1.1	1.4	.7								4.3	6.7
SSE	.7	1.1	1.1	1.4								4.3	8.1
S	.4	1.1	.7	1.1								3.2	8.3
SSW	.4	.7	1.1	1.1	.4							3.5	9.4
SW	.7	1.4	3.5	2.8								8.5	9.0
WSW		1.4	2.1	2.1	.4							6.0	10.0
W	.4	1.1		1.8								3.2	9.2
WNW	.7	.7	2.1	.7	.7							5.0	9.5
NW		2.5	7.1	7.1	.4	.4						17.4	10.6
NNW		1.4	3.5	3.5	.7		.4					9.6	11.5
VARBL													
CALM												2.5	
	10.3	25.2	31.2	26.6	2.8	.4	.4					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

45-2

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

6
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

FEB
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	2.9	1.8								8.5	7.1
NNE	.7	3.9	2.4	.7	.4							8.5	7.0
NE	.7	3.5	1.1	.7								6.0	6.1
ENE	1.4	3.2	1.4									6.0	5.0
E	.7	1.2	.7									3.2	5.4
ESE	1.1	.7	.4									2.1	4.0
SE	1.1	2.2	3.2	1.8								8.9	7.2
SSE	.4	1.4	2.5	1.8	.4							6.7	8.9
S		1.4	.7	1.4								3.5	8.9
SSW	.4	.4	1.1	.7	.7							3.2	10.3
SW		.4	1.4	2.1								3.9	10.4
WSW		.7	2.1	1.8	.4							5.0	10.7
W		.4	3.2	1.1	.4							5.0	10.3
WNW		1.4	1.4	2.1	.4	.4						5.7	10.4
NW		1.1	3.5	6.4	1.4							12.4	12.1
NNW	.4	1.1	5.7	3.9	.7							11.0	10.3
VARBL													
CALM												.4	
	9.2	26.6	33.7	26.2	4.6	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

282

8806

EXTREME VALUES

STATION	STATION NAME	YEARS
1701	PATUENT RIVER, MARYLAND	45-82

[illegible]

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS FEB
STATION NAME MONTH
ALL WEATHER CLASS 16
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.8	2.5	1.1								7.1	7.0
NNE	.4	2.8	3.5	1.1								7.8	7.1
NE	1.1	3.5	1.1	.4								6.0	5.8
ENE	1.4		1.4									2.2	5.1
E	.7	1.1										1.5	3.6
ESE	2.1	3.5	.4	.4								6.4	4.8
SE	.4	4.6	6.4	.4								11.7	7.0
SSE	.4	2.5	5.7	3.2								11.0	8.2
S		.7	1.4									2.1	7.8
SSW		1.1	.7	1.4								3.2	9.4
SW			1.4	1.8	.4							3.5	11.1
WSW	.7	.4	1.4	.7								3.2	7.7
W		1.1	2.1	1.2								5.0	9.6
WNW	.4		2.1	2.1		.4						5.0	11.4
NW	.7	.7	5.7	2.8	2.5							12.4	11.0
NNW	.7	1.8	4.3	2.8	.4							9.9	9.1
VARB.													
CALM												1.1	
	2.6	26.6	39.4	19.9	7.2	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSFEB
MONTHALL WEATHER
CLASS19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	5.0	2.1	1.1								9.6	6.2
NNE	1.3	1.1	2.1									5.7	5.6
NE	1.3	.4	1.1		.4							3.5	5.8
ENE	1.1	2.1	1.4									4.6	5.1
E	1.2	.4	.4									2.5	3.4
ESE	1.1	1.1										2.1	3.3
SE	2.4	3.2	1.4	.4								7.4	5.0
SSE	1.2	4.6	2.1									8.5	5.5
S	2.5	5.3	1.1									8.9	4.7
SSW	.4	1.4	1.4	.4								3.5	6.8
SW	1.4		.4	.7								2.5	5.7
WSW	1.1	1.1	.7	.7								3.5	6.6
W	.7	1.8	.4									2.8	4.5
WNW	.7	1.8	1.8	1.1	.4	.4						6.0	9.1
NW	.4	.7	1.9	3.2	.4							6.4	11.2
NNW	4.6	3.5	3.2	1.1								12.4	5.8
VARBL													
CALM												10.9	
	24.8	33.3	21.3	8.5	1.1	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

282

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION

PATUXENT RIVER, MARYLAND

45-00

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4				1	0	1	1	0	0	1	1	1	SNO DPTH DAYS
4		1	0	0	0	0	1	1	0	1	1	1	SNO DPTH DAYS
4		1	0	1	0	0	0	1	0	1	0	1	SNO DPTH DAYS
4		1	0	0	0	0	0	0	1	0	0	0	SNO DPTH DAYS
	31												SNO DPTH DAYS
		30											SNO DPTH DAYS
		27		1									SNO DPTH DAYS
	TRACE			29				25			TRACE	29	SNO DPTH DAYS
3	TRACE		4									3	SNO DPTH DAYS
5		27	3				30			30		30	SNO DPTH DAYS
5												30	SNO DPTH DAYS
5												TRACE	SNO DPTH DAYS
							21					3	SNO DPTH DAYS
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS FEB MONTH 22 HOURS (L.S.T.)

ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	3.5	.7								7.6	7.4
NNE	.7	1.0	1.1	.4								3.9	5.9
NE	.7	.4	1.4	.7								3.2	7.9
NNE	.4	1.4		.4								2.1	5.7
E	.7	.4										1.1	3.3
ESE	.7	1.1										1.2	4.2
SE	1.2	2.1	1.5									5.7	5.1
SSE	.7	1.8	1.2	.4								4.6	6.5
S	3.2	3.2	1.8	.7								8.9	5.5
SSW	1.4	2.3	3.0									8.2	6.0
SW	1.4	.4	.7	.7	.7							3.9	8.3
WSW		.4	.4	.4								1.1	10.7
W	.7	.7	1.4	.7								3.5	7.8
WNW	1.1	1.4	1.4	1.1	.7							5.7	7.9
NW	2.5	2.8	3.5	3.2	.4	.4						12.8	8.6
NNW	2.8	3.2	4.3	1.8								12.1	7.0
VARBL													
CALM												13.9	
	19.5	26.6	27.0	11.0	1.8	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1946-1982

STATION

STATION NAME

YEARS

JANUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.72	44	1961	5.3	135	1962
2	1.37	35	1979	0.7	18	1948
3	0.75	19	1932	T	T	1981*
4	0.74	19	1952	1.1	28	1982
5	0.53	13	1949	4.8	122	1980
6	2.14	54	1962	2.9	74	1970
7	0.85	22	1976	6.3	160	1977
8	0.60	15	1965	2.0	51	1973
9	0.81	21	1964	2.0	51	1968
10	1.05	27	1952	4.1	104	1962
11	0.81	21	1980	4.0	102	1955
12	0.88	22	1948	1.0	25	1979*
13	2.00	51	1948	5.4	137	1964
14	1.68	43	1958	6.9	175	1982
15	0.50	13	1954	3.9	99	1957
16	0.52	13	1965	5.2	132	1965
17	1.72	44	1978	1.7	43	1965
18	1.12	28	1980	0.4	10	1948
19	0.64	16	1961	5.0	127	1967
20	1.07	27	1979	3.7	94	1975
21	1.64	42	1949	0.3	8	1982
22	1.40	36	1954	11.2	284	1954
23	0.43	11	1969	0.6	15	1948
24	0.87	22	1979	5.5	140	1948
25	0.92	23	1958	0.8	20	1957
26	0.90	23	1966	8.0	229	1966
27	1.73	44	1976	3.0	76	1966
28	1.31	33	1952	4.3	109	1962
29	0.80	20	1966	8.0	203	1966
30	0.90	23	1966	9.0	229	1966
31	0.68	17	1949	2.1	53	1980
Monthly	2.14	54	1962	11.2	284	1954

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.88	22	1958	4.0	102	1962
2	1.74	44	1973	5.5	140	1972
3	0.92	23	1952	4.0	102	1961
4	0.92	23	1952	3.0	76	1975
5	0.81	21	1960	0.7	18	1978
6	0.66	17	1964	5.7	145	1978
7	1.15	29	1971	6.0	152	1979
8	1.75	44	1961	4.2	107	1974
9	0.65	17	1970	3.0	76	1967
10	0.45	11	1949	2.0	51	1967
11	0.91	23	1981	7.2	183	1964
12	0.56	14	1953	4.0	102	1979
13	1.25	32	1971	5.4	137	1960
14	0.37	9	1965	3.7	94	1965
15	1.44	37	1953	0.4	10	1958
16	0.46	12	1982*	0.7	18	1962
17	1.15	29	1982	7.5	191	1967
18	1.09	28	1960	9.0	229	1979
19	1.21	31	1972	11.7	297	1979
20	1.12	28	1981	2.8	71	1969
21	2.09	53	1954	0.1	3	1960
22	0.80	20	1971	3.3	84	1958
23	1.18	30	1969	0.7	18	1972
24	3.06	78	1979	2.0	51	1966
25	1.02	26	1979	1.3	33	1950
26	0.73	19	1972	1.5	38	1952
27	1.14	29	1958	6.6	168	1982
28	0.97	25	1966	6.9	175	1964
29	0.64	17	1968	4.1	104	1968
30						
31						
Monthly	3.06	78	1979	11.7	297	1979

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17021
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSFEB
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	3.2	1.4								8.7	7.2
NNE	.9	2.1	2.3	.7	.2							6.7	6.8
NE	1.0	2.0	.6	.4	.1							4.3	6.2
ENE	.6	1.5	.8	.1								3.7	5.4
E	.9	1.1	.6	.0								2.6	4.8
ESE	.9	1.2	.3	.0								2.3	4.6
SE	1.1	2.3	2.0	.4								5.9	6.1
SSE	1.1	1.8	2.7	1.0	.1							5.9	7.1
S	1.2	2.5	1.1	.6	.0							5.0	6.3
SSW	.6	1.3	1.5	.8	.1							4.3	7.7
SW	1.1	.6	1.8	1.5	.1	.7						5.3	8.3
WSW	.6	.8	1.2	1.0	.1							3.7	8.2
W	.7	1.1	1.1	.6	.1							3.8	7.6
WNW	1.2	1.6	1.5	1.6	.6	.2						6.6	9.0
NW	1.6	2.3	3.6	3.6	.7	.1						12.1	9.3
NNW	2.0	2.7	4.5	2.4	.3		.1					11.9	9.1
VARS													
CALM												8.4	
	16.6	27.3	28.5	16.5	2.4	.3	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2256

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.82	21	1952	5.6	142	1980
2	0.90	23	1948	6.3	160	1969
3	0.94	24	1960	9.4	239	1960
4	1.05	27	1955	0.3	8	1960
5	1.39	35	1965	2.2	56	1962
6	1.24	31	1979	2.3	58	1962
7	1.19	30	1948	3.2	81	1949
8	1.08	27	1951*	7.0	178	1947
9	0.90	23	1976	2.4	61	1960
10	1.26	32	1978	3.8	97	1960
11	0.83	21	1963	0.1	3	1979
12	1.33	34	1968	T	T	1974*
13	2.66	68	1980	T	T	1980*
14	0.77	20	1956	T	T	1980*
15	0.81	21	1953	T	T	1982*
16	1.19	30	1974	5.0	127	1960*
17	1.45	37	1968	1.0	25	1950
18	0.97	25	1949	T	T	1981*
19	1.89	48	1946	0.3	8	1981
20	1.97	50	1958	7.0	178	1958
21	0.91	23	1974	2.0	51	1958
22	1.08	27	1950	T	T	1973*
23	0.62	16	1949	T	T	1967
24	1.37	35	1952			
25	1.09	28	1953			
26	2.23	57	1978	7.0	178	1971
27	0.89	23	1978	0.9	23	1947
28	0.53	13	1980	0.8	20	1947
29	1.12	28	1974			
30	1.41	36	1974	3.0	76	1964
31	0.92	23	1961			
Monthly	2.66	68	1980	9.4	239	1960

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.28	33	1981	T	T	1964
2	0.75	19	1959			
3	0.86	22	1960			
4	1.07	27	1960	T	T	1954
5	1.16	29	1981	T	T	1975*
6	1.38	35	1956	T	T	1971
7	0.64	16	1972	0.3	8	1972
8	0.98	25	1957	T	T	1972*
9	0.86	22	1980	T	T	1982*
10	1.29	33	1958			
11	0.39	10	1962	T	T	1973
12	1.26	32	1947	T	T	1973*
13	0.41	10	1972*	T	T	1966
14	1.38	34	1970			
15	0.79	20	1975			
16	1.19	30	1947			
17	1.42	36	1982			
18	0.49	12	1949			
19	0.68	17	1969			
20	0.54	14	1958			
21	0.52	13	1958			
22	1.55	39	1972			
23	1.07	27	1958			
24	1.19	30	1945	T	T	1956
25	1.93	49	1946			
26	1.44	37	1978			
27	0.98	25	1954			
28	0.92	23	1966			
29	0.78	20	1951			
30	0.84	21	1963			
31						
Monthly	1.93	49	1946	0.3	8	1972

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAP

NORTH

ALL WEATHER
CLASS

01

HOURLY (L.S.T.)

FOUNDATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.9	1.6		.3							5.5	5.5
NNE	1.6	1.9	.6	1.0	.3							5.5	7.2
NE		1.3	.3	.6								2.3	7.3
ENE	1.6	.6										2.3	3.1
E	1.3	1.9	1.7									4.2	4.9
ESE		1.6										1.6	4.6
SE		1.9	1.3									3.2	6.2
SSE	2.5	2.9	1.6									7.1	5.0
S	.3	2.9	3.6	2.9								9.7	6.4
SSW	.6	.6	3.2	1.6								6.1	8.5
SW	1.0	1.0	1.9	1.3								5.2	7.2
WSW	.3	1.0	1.3									2.6	6.3
W	2.3	1.3	2.3	.6								6.5	6.1
WNW	1.3	1.7	1.7	2.9	.3							7.4	8.5
NW	1.7	1.6	2.6	2.9								8.4	8.6
NNW	1.6	3.9	4.2	1.6								11.3	7.2
VARBL													
CALM												11.0	
	17.5	28.5	26.5	15.5	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

379

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUXENT RIVER, MARYLAND

1945-1982

STATION

STATION NAME

YEARS

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.98	25	1976			
2	0.34	9	1974			
3	0.98	25	1954			
4	1.80	46	1978			
5	0.32	8	1958			
6	0.83	21	1958			
7	1.95	50	1967			
8	0.70	18	1971			
9	0.65	17	1978			
10	0.26	7	1981			
11	1.98	50	1961			
12	0.83	21	1974			
13	1.08	27	1971			
14	1.29	33	1972			
15	1.77	45	1950			
16	1.76	45	1971			
17	1.87	47	1945			
18	1.91	49	1946			
19	1.15	29	1957			
20	0.84	21	1953			
21	0.97	25	1966			
22	0.80	20	1949			
23	0.92	23	1951			
24	1.88	48	1979			
25	1.99	51	1958			
26	1.16	29	1948			
27	0.66	17	1957			
28	2.16	55	1968			
29	1.51	38	1976			
30	2.68	68	1971			
31	1.95	50	1972			
Monthly	2.68	68	1971			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.14	29	1975			
2	1.35	34	1974			
3	3.06	78	1963			
4	1.64	42	1979			
5	2.39	61	1957			
6	1.47	37	1977			
7	1.29	33	1947			
8	1.02	26	1951			
9	0.51	13	1958			
10	1.54	39	1951			
11	2.45	63	1945			
12	0.85	22	1971			
13	1.08	27	1982*			
14	2.37	60	1960			
15	1.14	29	1965			
16	0.90	23	1966			
17	1.67	42	1977			
18	0.97	25	1958			
19	1.83	46	1949			
20	1.02	26	1964			
21	1.55	39	1961			
22	2.64	67	1972			
23	0.54	14	1974			
24	2.38	60	1964			
25	0.31	8	1955			
26	1.13	29	1958			
27	1.13	29	1956			
28	0.88	22	1972			
29	1.42	36	1982			
30	1.02	26	1979			
31						
Monthly	3.06	78	1963			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

15721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAD
MONTH

ALL WEATHER
CLASS

CU
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	2.6	1.0								6.5	6.9
NNE	.5	1.9	1.6	.6								4.8	7.1
NE	1.0	1.9		.3								3.2	5.7
ENE	.5	2.6	1.0									4.2	5.2
E	1.0	1.6	1.0									3.5	5.2
ESE	.3	1.0	.3									1.5	5.2
SE	1.5	1.3	.3									3.2	4.5
SSE		1.0	1.0	1.3								5.2	8.3
S	1.0	1.0	1.3	1.3								5.5	6.4
SSW	.5	1.0	1.6	3.2		.3						6.8	10.0
SW	1.0	.5	1.6	.3								3.5	6.8
WSW	1.0	1.0	1.0	.3	.3							4.5	7.3
W	2.9	1.6	1.0	1.3								7.7	6.6
WNW	1.6	2.3	1.3	2.3	.3							7.7	8.3
NW	1.0	2.0	2.6	1.9								8.4	7.9
NNW	1.0	2.9	6.1	1.0								11.0	7.2
VARB													
CALM												12.6	
	17.7	26.8	27.1	14.8	.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

E
2

2486442

172

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 PATUXENT RIVER, MARYLAND 73-62

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MAP NORTH 17 HOURS 11 57

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	2.6	1.3								6.1	7.7
NNE		1.7	1.7	.3								3.5	7.2
NE	1.7	1.6	1.7	.3								4.2	6.0
ENE	1.7	1.3	1.7	1.7								4.2	7.0
E	.5	1.6	1.7	.3								3.5	5.7
ESE	.5	1.7	.7									1.9	4.7
SE	1.7	1.3	1.5	1.3								4.5	7.1
SSE	.7	1.9	1.7		.3							3.5	7.2
S	1.6	1.3	2.6	1.3								6.5	7.2
SSW		.6	3.2	.6	.3							4.5	9.8
SW		2.9	3.2	1.3								7.4	8.3
WSW	.7	.6	1.3									2.3	5.1
W	1.7	2.3	1.6	1.7								5.2	7.2
WNW	1.3	2.3	1.9	2.6								8.1	8.3
NW	1.3	1.7	2.6	.6	.3							6.5	9.3
NNW	2.3	3.5	6.1	1.6	.3							13.9	7.2
VARBL													
CALM												12.0	
	13.2	26.8	32.3	12.9	1.6	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



2

1406437

172

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAR
MONTH

ALL WEATHER
CLASS

17
HOURS 11 57

CONDITION

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

PATUMENT RIVER, MARYLAND 1945-1982
STATION STATION NAME YEARS

NOVEMBER
MONTH

DECEMBER
MONTH

	PRECIPITATION GREATEST	SNOWFALL GREATEST
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	PRECIPITATION GREATEST	SNOWFALL GREATEST
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2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1701 PATUMENT RIVER, MARYLAND 73-82 YEARS NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.3								8.4	7.0
NNE		2.0	5.0									4.4	7.0
NE	.7	1.0	1.3	.3								2.3	7.3
ENE		.5	.7	.3								1.5	7.8
E	1.0	1.0										3.0	3.6
ESE	1.0	4.5	1.0									7.4	5.6
SE	1.0	2.6	6.3	1.6		.7						12.6	8.1
SSE	1.0	1.0	8.7	4.5	.3							18.1	9.1
S	.5	.3	.6		.3							1.6	8.2
SSW		.7	1.7	1.6								3.2	11.6
SW	.7		1.6	1.0								2.6	9.9
WSW		.3	2.2	1.7		.7						4.2	10.8
W	.7	.3	1.0	2.6	.3							4.5	10.9
WNW		.7	1.7	2.6	.6							5.2	12.2
NW	1.0	1.3	3.2	4.5	.3							10.2	10.5
NNW	1.0	.7	1.0	2.9	.3							5.2	10.4
VARBL													
CALM												1.7	
	5.0	21.6	40.6	24.5	2.3	.6						100.7	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NOCH, Federal Building
Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND 73-92

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MAP NORTH 10 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	7.7	2.7	.3	.3							7.7	6.6
NNE	1.7	.6	1.6		.3							4.7	6.5
NE	.3	.4	.3									1.3	5.0
ENE	.3	.6	.4									1.6	6.0
E	1.7	1.4	1.7									4.7	5.7
ESE	.3	1.3	.3									2.3	5.1
SE	.4	7.9	1.4	.3								6.6	6.0
SSE	.3	6.1	4.6	2.3								12.1	6.1
S	1.7	2.9	3.6	1.6								9.0	6.4
SSW	1.7	1.7	1.7	.3								3.6	5.9
SW	.4	.6	1.7	1.6								3.6	7.7
WSW	.3	2.3	.3	1.6								2.6	7.1
W		.4		1.7		.3						2.3	12.0
WNW	.3	1.4	.4	1.9	.6							5.0	9.9
NW	1.7	.3	2.6	2.6	.6							7.4	10.4
NNW	1.7	3.6	2.3	1.6	.3							9.4	7.3
VARBL													
CALM												10.0	
	17.2	33.2	25.5	13.5	2.3	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION

PATUXENT RIVER, MARYLAND

45-00

YEARS

DAILY PEAK GUSTS IN KNOTS (MPH 1949-1955)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS		
4				47NW	46NW	46N	42NW	45	35	48NW	42NW	43	38		
4		37NW	49W	42NW	43NW	36N	5	NW	41NW	37NW	49NW	36NW	53		
4		48NW	47W	57SW	34SW	45NE	48N	37ESE	24NW	35NE	33NW	42NW	37	57	
		36NW	40NW	37	4NW	47NE	39S	44NW	32NW	33NE	44NW	40NW	50		
		48NW	48NW	47ESE	40NW	48ESE	40SW	68ESE	65NW	34NE	35NW	43NW	43	SW 68	
		48NW	49NW	46NW	41NW	63NW	41NW	37NW	47NW	36NW	42NW	49NW	42	N 6	
		48NW	47NW	44N	38NW	39W	43NW	54NW	51NW	30NW	48				
		47NW	48NW	46N	42SW	35SW	50NW	34W	44S	58NW	46SE	45NW	37	S 58	
		44NW	36NW	39NW	42NW	44NW	55N	39N	48NW	46NW	39NW	50NW	43	N 55	
4		48N	51S	48NW	46N	46NW	70NW	71NW	61NW	46SE	110NW	46W	48	E 110	
5		33NW	54SSW	62NW	63W	44ESE	54SW	42ESE	69N	51NW	55NW	47NW	46	ESE 69	
5		48NW	55NW	61NW	52NW	54NW	52NW	47NW	60NW	62NE	55N	48NW	41	N 62	
5		62NW	38NW	46NW	60NW	38SSW	63NW	33SW	56NW	38ESE	69NW	48ESE	53	ESE 69	
5		47E	48NW	49N	57NW	41NW	42NW	60W	40SW	46W	41NW	39NW	55		
		47NW	43NW	47NE	37NW	31NW	43NW	42NE	31SE	31S	30NW	42NW	38	N 47	
		42E	61NW	48NW	38NW	37SW	48SW	47NW	43NW	45N	35SW	31NW	43	E 61	
		44SW	47NW	40	43NW	33SW	48W	34SSW	28N	29NE	30NW	34SSW	29	WSW 44	
		22N	27N	35W	34SSW	32SW	30NW	35SW	24SE	23W	26SE	36NW	39	N 39	
5		39NW	31W	34SW	41NW	28NE	32W	27NW	31S	31NW	27NW	35NW	3	SW 41	
4		34W	41S	45SW	35NW	26W	51E	47E	34NE	33NW	31SE	33NW	34	W 51	
5		42NW	43SW	36NW	38SSW	43W	38NW	32NW	49NW	26SE	43W	40NW	30	N 44	
6		41SE	32W	37SW	30W	33NW	28W	35W	34SE	29NW	28S	32NW	33	W 41	
67		35SSW	37NW	46NW	44SW	44SW	25NW	32SW	36W	35SW	42NW	40SW	40	NW 46	
67		35NW	36NW	43NW	36NW	36S	38NW	27E	47S	29NW	29NE	39W	40	E 47	
6		31NW	42NW	35N	34SSW	37SW	40NW	32SSW	39S	25NW	29NW	42NW	38	NW 42	
		42NW	37N	26W	44NW	28SW	30W	NW	29W	40NW	28NW	33NW	38		
		432	4231	4034	3825	7732	4915	3401	2913	2415	283	3424	44	25 77	
		31	3421	4227	352	2832	2534	3724	2624	2421	2832	3014	4229	31	21 42
		26	3319	3624	4229	3233	282	2331	2315	2316	3016	3021	3602	36	24 42
		23	2916	3626	4325	3632	3232	2929	3615	2733	3433	2727	3210	49	10 49
MEAN															
S. D.															
TOTAL OBS.															

SMOS

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7406-1437

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721	PATUXENT RIVER, MARYLAND	73-92	MAP
STATION	STATION NAME	YEARS	NORTH
ALL WEATHER			ALL
CLASS			HOURS (L S Y)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.7	.9	.1							7.3	6.9
NNE	.0	2.3	2.3	.5	.1							6.0	6.8
NE	.6	1.5	.7	.2								3.1	5.9
ENE	.0	1.3	.7	.4								3.1	6.0
E	.9	1.6	1.0	.1								3.5	5.3
ESE	.0	1.0	1.0	.0								2.4	5.7
SE	.0	2.5	2.6	.6		.0						6.9	6.9
SSE	1.0	2.9	3.7	1.5	.1							8.7	7.3
S	1.2	1.8	2.3	1.3	.1							6.7	7.5
SSW	.5	.7	1.0	1.5	.1	.0						4.9	9.0
SW	.4	.5	1.9	1.3	.1							4.6	9.1
WSW	.5	.6	1.4	.7	.1	.1						3.7	8.3
W	1.0	1.3	1.2	1.2	.2	.1						4.9	8.2
WNW	.0	1.4	1.0	2.7	.4							7.6	9.5
NW	.3	1.4	2.5	3.1	.8	.1						8.7	10.5
NNW	1.7	2.3	3.4	2.2	.2							9.4	6.2
VARBL													
CALM												7.3	
	13.5	27.4	30.6	18.4	2.5	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1770. PATUXENT RIVER, MARYLAND 73-92 APR 61
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.7	.7	.3							5.3	7.6
NNE	.7	1.0	1.3									3.0	5.7
NE		.3	.7				.3					1.3	12.0
ENE		.3	.7									1.0	7.3
E	.7	2.0	1.7	.3								4.7	5.6
ESE	.3	1.0	.3									1.7	5.6
SE	1.0	1.7	.7	.3								3.7	5.7
SSE	2.0	3.0	2.7	.7								8.3	6.0
S	2.0	3.0	2.7	1.7								9.3	7.1
SSW	.7	1.3	3.0	1.3								6.0	8.4
SW	1.3	1.7	3.0	1.7								7.7	8.0
WSW	1.0	1.0	2.3	.7								5.0	7.3
W	1.0	2.7	1.7	1.3								6.7	6.8
WNW	1.0	4.0	1.7	.3	.3	.3						9.7	6.2
NW	1.0	1.3	4.3	2.0	.3	.3						9.3	9.3
NNW	1.0	2.3	2.3	.7								6.3	6.9
VARB													
CALM												11.0	
	16.7	26.3	30.7	11.7	1.0	.7	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

EXTREME VALUES

17	PATUXENT RIVER, MARYLAND
STATION	STATION NAME

45-2

YEARS

[illegible]**SMOS**

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS
APR
NORTH
ALL WEATHER
CLASS
34
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	2.7	.7								5.7	7.0
NNE	1.0	1.3	.3	.3								3.0	5.9
NE	.7	1.7	.3									2.3	5.1
ENE	1.0	1.0	.7									2.7	4.0
E	.7	1.3	1.3									3.3	5.0
ESE	.7	1.0	.3									2.0	4.2
SE	1.7	.3	.3	.3								2.3	4.4
SSE	1.7	.7	1.0	.7								3.7	6.3
S	1.0	1.0	.7	1.0								3.7	5.4
SSW	1.0	1.0	2.7	1.3								6.0	7.6
SW		3.0	3.3	3.3								9.7	9.0
WSW	1.7	.3	2.0	.7								4.3	7.3
W	1.7	4.3	2.3	.7								8.7	6.1
WNW	2.7	4.0	1.0	.7	.3	.3						9.0	6.8
NW	3.0	2.7	3.0	3.0								11.7	7.1
NNW	1.0	3.0	3.0	.7		.3						8.0	7.1
VARB													
CALM												14.0	
	17.7	29.0	25.0	13.3	.3	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17701 STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-82 MONTH JAN

CLASS ALL WEATHER

CONDITION

HOURS (LST) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	2.3	.6								7.1	5.9
NNE		1.0	1.5	.6								3.2	7.4
NE	.6	.6	.3	.6								2.3	7.0
ENE	1.0	.3	.3	.3								1.9	5.7
E	.3	1.9	.6									2.9	5.2
ESE		1.0	.6									1.6	6.2
SE	.6	.3	.6									1.6	5.6
SSE	.6	2.3	1.0	1.0	.3							5.2	7.9
S	1.9	1.9	1.5	.3								5.9	5.6
SSW	.3	.3	1.6	1.0								3.2	9.0
SW	1.0	1.0	1.0	.6								3.6	7.3
WSW	.6	1.0	2.6	.6	.3	.3						5.5	9.0
W	2.6	4.2	1.9	1.0								9.7	6.0
WNW	1.6	1.6	2.5	3.2	.6							9.7	9.4
NW	1.0	4.9	2.9	1.9								10.7	7.3
NNW	2.9	3.9	5.2	1.6								13.6	6.9
VARB.													
CALM												12.3	
	17.2	28.5	26.9	13.6	1.3	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 379

8808

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

18721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	2.7	.3		.3						6.0	8.1
NNE	.7	1.3	.7	.3								2.7	7.0
NE	1.0	2.3	.7									4.0	4.8
ENE	.7	.7	.3	1.0								2.7	7.6
E	.7	2.0	1.3	.7								4.7	6.6
ESE	1.3	.3	1.0									2.7	4.6
SE	.7	.3	.3									1.3	4.5
SSE		1.3	2.7	.3								3.7	7.5
S	.7	1.7	1.3	.7		.3						3.7	9.1
SSW	.7	1.7	1.3	2.7								6.7	8.8
SW	.3	2.7	2.7	3.0	.7							8.7	9.9
WSW	.3	.7	1.3	1.3								3.7	8.9
W	.7	2.3	3.3	.3								6.7	7.1
WNW	.3	3.7	3.3	2.3		.7						13.0	6.8
NW	1.7	3.3	4.7	2.3								11.3	7.7
NNW	1.7	3.7	3.7	1.3	.3							9.0	7.5
VARB.													
CALM												10.0	
	13.7	28.3	29.3	16.7	1.0	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-82 JAN
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	3.2	1.9								7.8	6.0
NNE	1.0	1.3	1.0	.3								4.7	5.8
NE		.6	.6	.3								1.6	7.4
ENE	.6	1.0	.3									1.9	4.3
E		1.3	.6									1.0	6.0
ESE		1.3										1.3	4.8
SE	1.0	.3	.6									1.9	4.6
SSE	1.6	1.6	.3	.3								3.9	4.4
S	.6	3.2	1.6	.3								5.6	6.3
SSW	.6	.6	1.0	.3		.3						2.9	8.3
SW		.6	1.6	1.0								3.2	8.9
WSW	.7	.6	1.3	1.3		.3						3.9	9.8
W	1.9	1.3	2.3	1.9								7.4	7.7
WNW	1.9	1.3	1.6	4.2	.3	.3						9.7	9.5
NW	2.3	3.2	3.6	1.6	.3							11.0	7.1
NNW	1.3	7.4	4.5	1.3	.3							14.0	6.6
VARB													
CALM												16.5	
	14.2	29.2	24.3	14.9	1.7	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 309

8806

E
2

7406-542

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS
STATION NAME ALL WEATHER CLASS 10 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	5.0	3.7	1.0		.3						10.3	7.4
NNE	1.0	1.7	1.3	.3								4.3	6.3
NE		1.7	2.3	.7								4.7	7.4
ENE	.7	1.3	1.0	.3								3.3	6.4
E	.7	1.0	1.0	.3								3.0	6.7
ESE		3.3	1.3									4.7	5.7
SE	.7	2.3	3.3	.7								7.0	7.2
SSE	.3	1.7	1.7	1.3								5.0	8.0
S	.7	1.3	1.0	1.7								4.3	8.5
SSW	.3	.3	1.7	3.7								6.0	11.0
SW	1.0	.7	.7	3.7		.7						6.7	11.5
WSW	.7	.3	3.7	1.0								5.7	8.9
W		1.3	2.3	2.3			.3					6.3	11.2
WNW	.3	2.0	3.0	2.7	.3	.3						9.3	9.8
NW		1.7	5.7	5.7								13.0	10.4
NNW	.7	1.0	2.0	2.3								6.0	9.2
VARBL													
CALM												.7	
	7.0	27.0	35.7	27.7	.3	1.3	.3					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	2.0	.6								7.7	6.3
NNE	1.0	2.0	.3									4.2	5.0
NE	.6	2.3	.3	.3								3.0	5.9
ENE	1.6	1.3	.3									3.2	4.2
E	.6	2.5										3.2	4.8
ESE		1.0	.3	.3								1.6	6.8
SE	1.0	1.0	1.0									2.0	4.9
SSE	1.0	1.0	.6									2.6	4.3
S	1.0	1.0	1.0	.3								4.2	5.7
SSW	1.6	1.0	1.0	2.3								5.3	8.0
SW	1.3	2.6	.6	.3	.3		.3					5.5	7.3
WSW	1.6	1.0	1.0	1.0								4.5	6.5
W	3.2	2.6	.6	1.3	.3							8.1	6.1
WNW	1.6	1.6	2.3	2.3	1.3							9.0	9.6
NW	2.3	3.2	1.6	1.6								8.7	6.7
NNW	2.9	3.9	5.8	1.9								14.5	7.0
VARIABLE													
CALM												10.7	
	27.2	32.3	19.7	12.3	1.9		.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

310

8805

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS APR
MONTH
17
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.7	.3							5.7	7.4
NNE	.7	1.0	2.0	.7								4.3	7.5
NE	1.7	3.0	3.0	1.0								8.4	6.7
ENE	.7	1.0	2.7		.3							4.7	7.0
E	1.0	.7	.7	.3								2.7	6.6
ESE	.7	2.3	2.7	.3								6.0	6.6
SE	.7	3.7	8.7	4.0	.3							17.4	6.6
SSE		1.3	1.3	4.7								7.4	10.7
S			.7	2.0								2.7	12.0
SSW	.7		.3	3.0								3.7	11.5
SW			1.0	1.0	1.0							3.0	13.9
WSW			1.3	2.0	.3	.3						4.0	13.4
W		.7	2.7	4.3	.7							8.0	12.0
WNW			1.0	2.7	.7		.3					4.7	13.6
NW	.7	.7	3.3	4.3	1.3							10.0	11.5
NNW	.7	1.0	3.3	1.3	.3							6.7	8.9
VARBL													
CALM												.7	
	7.0	17.7	36.1	32.4	5.4	.3	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	3.3	.7								6.7	7.4
NNE	.7	2.7	2.7	.7								6.7	7.0
NE	.7	1.7										1.3	3.8
ENE	.7	.7	.3	.3	.3							2.3	8.0
E	.7	1.7	.3		.3							3.0	5.7
ESE	1.0	1.3	2.0	.3		.7						5.0	7.3
SE	1.0	4.7	6.7	4.0								16.3	7.9
SSE	.3	2.3	6.7	7.0								16.3	10.0
S		.7	2.0	1.0	.7							4.3	10.7
SSW		.3	.7	1.0	.3							2.3	11.1
SW		.7	.7	2.0	.7							4.7	12.7
WSW			1.7	1.7	.3	.3						4.0	12.8
W		.3	1.7	2.0	.3		.3					4.7	13.5
WNW		.7	2.0	1.7		.7						5.0	11.6
NW	.7	.7	3.3	6.7	.3	.3						12.0	11.3
NNW	.3		1.0	1.7	.7	.3						4.0	12.7
VARBL													
CALM												1.3	
	6.3	19.3	35.0	31.7	4.0	2.0	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

E
2

7408443

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1701
STATION

PATuxENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JAN
MONTH
12

ALL WEATHER

2

NAME (LAST)

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-42 YEARS
APR NORTH
22
HOURS (L & Y)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	2.0	.3								6.7	5.8
NNE	.7	1.0	.3									2.7	4.2
NE	.7	1.3		.3								2.3	5.7
ENE	.3	1.0	.7									2.0	5.7
E	.3	1.0	1.0	.3								2.7	6.9
ESE	.7	1.3	.3									2.3	4.3
SE	1.0	3.0	1.3									5.7	5.6
SSE	.7	3.3	4.7	1.3	.3							10.3	7.5
S	3.0	4.7	4.7	1.0								13.3	5.2
SSW	0.0	1.3	3.0	1.7								8.7	7.4
SW	2.0	2.0	1.0	1.7								6.7	6.8
WSW	1.0	1.3	.3	.7								3.3	6.6
W	.7	1.3	2.0	1.0								4.7	6.4
WNW	1.7	1.0	2.0	2.3	.3	.7						7.7	9.8
NW	.7	1.0	2.3	1.3		.7						5.7	9.6
NNW	.7	.7	3.7	1.0	.7							6.7	9.0
VARBL													
CALM												11.7	
	17.3	27.3	29.3	13.0	1.3	.7						110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972. PATUXENT RIVER, MARYLAND 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
15
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	3.6	1.0								8.7	6.3
NNE	1.6	2.6	1.0	.3								5.5	5.2
NE	1.0	2.0	1.0									4.0	4.7
ENE	.6	1.0	.6									3.2	5.2
E	1.0	1.3										3.2	2.9
ESE	.6	1.3										1.9	4.0
SE	1.7	1.6	3.9	.3								7.1	6.9
SSE	1.0	2.3	3.2	.6								7.1	6.6
S	.7	.6	1.3	1.3								3.6	9.1
SSW	.7	1.0	.6	1.6								3.6	9.3
SW	.7	1.0	1.3	1.6								4.2	8.9
WSW	1.0	1.0	1.6	2.3								5.1	8.6
W	.7	2.3	2.3	1.3	.6	.7						7.1	9.7
WNW		.6	4.2	1.0	1.0							7.8	10.9
NW		3.0	4.2	3.6	1.0							12.6	9.9
NNW	.3	3.6	3.6	3.2								10.7	8.6
VARB.													
CALM												2.9	
	12.6	30.1	32.4	19.1	2.6	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 309

8808



2

7406432

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721	PATUXENT RIVER, MARYLAND	73-92	APR
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			ALL
CLASS			HOURS (L S Y)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.3	2.4	.6	.1	.1						6.7	7.2
NNE	.3	1.7	1.2	.4								3.3	6.5
NE	.4	1.7	.9	.3			.3					3.3	5.2
ENE	.5	.3	.8	.3	.1							2.5	6.6
E	.7	1.7	1.0	.7	.0							3.7	6.2
ESE	.7	1.4	1.1	.1		.1						3.3	5.9
SE	1.0	2.3	2.0	1.2	.0							7.4	7.3
SSE	.9	2.0	3.5	2.3	.0							9.0	8.0
S	1.1	2.3	2.3	1.3	.1	.1						7.1	7.4
SSW	.7	.0	1.7	1.8	.1							5.0	8.8
SW	.6	1.3	1.5	2.7	.3	.1						6.0	9.8
WSW	.5	.6	1.7	1.1	.1	.1						4.1	5.3
W	.5	1.7	2.3	1.5	.1		.1					6.7	9.0
WNW	1.4	2.0	1.9	1.9	.3	.3	.0					7.0	9.7
NW	1.0	1.5	3.6	3.5	.3	.1	.0					10.1	9.6
NNW	.2	1.7	2.5	1.3	.3	.1						5.7	8.3
VARBL													
CALM												6.9	
	12.8	25.7	31.3	20.1	1.0	.8	.3					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

E
2

1406412

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701 PATIENT RIVER, MARYLAND 73-42
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAY
MONTH
01
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.7	.3								4.5	5.1
NNE	1.7	.3	1.3	.3								3.0	5.8
NE	.6	1.6	.6									2.9	5.1
ENE	1.0	1.0	.6	.3								2.8	5.7
E	1.0	2.6	1.6									5.2	5.6
ESE	.3	1.6	.3									2.5	5.4
SE	1.0	1.2	1.3									4.2	5.6
SSE	2.6	1.3	1.6	.6								6.1	5.6
S	4.0	3.2	3.0	.6								14.5	5.3
SSW	.3	2.3	1.0	1.0	.3							7.1	5.5
SW	1.0	1.6	3.0	1.0								9.1	7.3
WSW	1.0	1.2	1.6	.3								5.3	5.5
W	1.0	2.0	.6	.3								5.5	5.2
WNW	1.3	2.3	1.7	.6								5.2	5.7
WW	2.3	1.6	1.3									5.2	5.0
NNW	1.6	1.0	1.0	.6								5.2	6.0
VARBL													
CALM												10.4	
	25.2	31.1	24.0	5.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 374

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701
STATION

PATIENT RIVER, MARYLAND
STATION NAME

73-92
YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.2	1.0	.6								7.1	6.3
NNE	1.3	1.3	1.0	.3								3.9	5.7
NE	2.3	1.0	1.0									4.2	4.4
ENE		.3	.6									1.0	7.3
E	1.0	.3	.6									1.0	4.3
ESE	.3	.3	1.0									1.6	5.6
SE	.6	1.6	.6	.3								3.2	5.7
SSE	.6	2.0	.3	.6	.3							4.2	6.7
S	7.0	3.5	.6	.6								8.1	4.0
SSW	.6	.3	1.6	.6								3.2	3.1
SW	.6	1.3	1.6		.6							4.2	6.3
WSW	.6	1.3	2.0	1.0	1.0							6.8	9.2
W	2.3	2.0	1.0	.6	.6							7.4	6.7
WNW	1.3	1.6	1.0	1.0	.6							6.5	8.9
NW	1.3	2.6	1.3	1.0	.6	.3						8.1	9.1
NNW	1.3	3.5	3.0	1.0	.6							10.5	8.4
VARB.													
CALM												17.4	
	18.7	29.0	10.4	10.6	4.5	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JAN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.2	1.6	1.3								9.4	6.0
NNE	.3	1.6	.3									2.3	5.6
NE	.7	1.6	1.0									2.6	5.3
ENE	.4	1.0										1.6	4.4
E	1.0	.6	1.0	.3								2.6	6.0
ESE	.6	.3	.6									1.6	5.6
SE	1.7	1.3	1.6									4.2	4.9
SSE	1.0	2.3	.6	.3								5.2	4.8
S	2.3	3.0	.3	.6								7.1	4.7
SSW	.6	1.0	.3	.3								2.3	5.9
SW	1.0	1.0	2.3	1.3								5.6	8.1
WSW	1.7	1.6	2.6	2.3	.6							8.1	9.2
W	1.9	1.0	.6	1.3	.3							5.2	7.5
WNW	.6	1.6	1.0	1.9	1.3	.7						7.7	10.6
NW	1.0	1.6	1.0	2.3	.6							7.4	8.9
NNW	2.2	3.0	3.5	3.5	.3	.7						14.5	7.8
VARBL													
CALM												12.3	
	27.3	27.4	20.4	15.5	7.2	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

24

244

E
2

7406-6432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

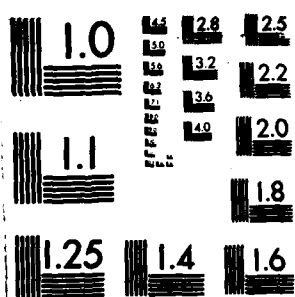
SURFACE WINDS

STATION PATIENT RIVER, MARYLAND 77-02 YEARS JAN
STATION NAME MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.7	1.1	.7							8.3	5.7
NNE	.5	2.0	1.0	.2								4.5	5.6
NE	.5	1.5	.7	.2								3.2	5.4
ENE	.7	1.3	.4	.7								2.5	4.7
E	.5	1.5	.5	.1								3.0	4.9
ESE	.7	1.1	.4	.7								1.8	5.2
SE	.5	1.5	1.4	.1								3.5	5.7
SSE	1.0	1.9	1.2	.5	.1							4.5	6.2
S	1.7	2.1	1.1	.7	.1							5.2	6.3
SSW	.5	.7	1.3	1.1		.7						3.7	5.3
SW	.7	1.1	1.4	1.0	.2		.3					4.4	5.4
WSW	.7	1.2	1.7	1.5	.4	.2						5.7	9.5
W	1.7	2.1	1.7	1.5	.4	.7						7.5	7.9
WNW	1.7	1.4	2.5	2.4	.9	.1						8.7	10.0
NW	1.2	3.5	2.7	3.1	.7	.1						10.8	9.1
NNW	1.7	4.1	4.7	2.0	.3	.7						12.9	7.6
VARBL													
CALM												9.7	
	15.2	29.8	25.6	15.5	7.1	.7	.3					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11021 STATION NAME PATUENT RIVER, MARYLAND YEARS 73-80 FOR MONTH 01
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.7	1.1								4.6	4.2
NNE	1.1	1.1	1.1	1.8								5.7	7.4
NE	.7	1.1	.7		.4							5.3	6.9
ENE	.4	2.1	.4									2.3	5.7
E	.4	.4	1.1									1.1	5.3
ESE	.7	.7	.4									1.1	4.4
SE	1.4	1.4	1.1									3.6	4.9
SSE	1.1	1.4	.7	.4	.4							5.3	5.7
S	1.4	1.1	2.1	.4	.4							5.3	7.2
SSW	1.4	1.1	1.1	1.1								6.7	7.5
SW	.7	1.4	2.5	1.4								6.7	6.2
WSW	1.4	.7	.7	.4								3.7	5.7
W	.7	.7	.7	.4	.4							2.3	7.9
WNW	2.1	2.1	1.1	2.1	.7	.4						9.7	5.8
NW	2.1	2.1	2.5	2.5	.4							10.7	7.7
NNW	1.1	3.9	4.6	2.5	.4							13.1	7.2
VARBL													
CALM												12.1	
	20.4	27.3	23.2	13.8	2.8	.4						10.7	6.3

TOTAL NUMBER OF OBSERVATIONS 782

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.9	1.0	.3								7.1	5.1
NNE	.6	3.2	1.3	.3								5.5	6.2
NE	.6	1.3	1.6	.6								4.2	6.7
NNE	.6	1.6	.6									2.9	4.7
E	.6	1.6	2.3									4.5	6.5
ESE	.7	1.0	.6									1.9	5.5
SE	1.0	.6	1.0	.3								3.9	5.3
SSE	1.3	1.3	1.3	.3	.3							4.5	6.5
S	2.6	1.9	1.6	.6								6.5	5.5
SSW	.7	1.6	2.9	1.3								6.1	8.7
SW	.3	1.6	3.9	1.6								7.4	8.3
WSW	.3	1.0	2.9	.3								4.5	6.9
W	1.9	3.9	1.6	.3								7.7	5.3
WNW	1.0	4.5	1.6	.3								8.4	5.1
NW	2.3	2.6	2.6	1.0								8.4	6.3
NNW	1.5	5.5	1.6	.6								9.4	5.7
VARIABLE													
CALM												6.5	
	10.4	37.1	28.4	8.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

310

8106

2

7404-102

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 PATIENT RIVER, MARYLAND 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

SEP NORTH

04

MOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	3.2	1.8								7.8	7.7
NNE	.4	1.4	3.2	.4								5.7	5.3
NE	.7	1.4	.7									2.9	5.6
ENE		.7	.4									1.1	6.3
E	1.1	1.1	1.1									3.2	5.1
ESE	.4	1.1										1.4	4.3
SE	.4	1.4	.4									2.5	5.1
SSE	1.4	1.1	1.1	.4	.4							4.5	6.2
S	1.1	2.5		.7								4.3	5.4
SSW	.7	.7	2.1	1.4								5.7	8.4
SW	.7	1.4	1.1	.7		.4						4.6	7.7
WSW	.4	.7	1.1	1.4								3.5	8.7
W	1.4	2.5	.7	.7								5.7	5.5
WNW	1.4	1.4	1.1	1.4	1.1							7.4	6.9
NW	3.4	4.6	2.5	2.8								13.8	6.6
NNW	3.2	2.4	6.7	2.1								14.2	7.2
VARBL													
CALM												12.8	
	19.5	27.0	25.2	13.8	1.4	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 252

8MOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	4.2	5.2	.3								11.3	6.5
NNE	1.9	4.2	3.5	.3								10.0	5.7
NE	.6	1.6	1.0									3.2	5.1
NNE	.6	1.9	.3									2.9	4.3
E	1.3	3.2	1.3									5.8	5.1
ESE	1.0	2.9	1.6	.6								6.1	6.2
SE	.3	4.5	5.5	.3								10.6	7.0
SSE	.3	1.9	2.3	1.3								5.8	7.9
S	.3	.6	1.6	.6								3.2	7.5
SSW	.3	.3	3.9	1.0								5.5	8.8
SW	.6	.3	1.9	1.9								4.8	9.0
WSW		1.6	1.6	1.0								4.2	7.8
W	.6	1.6	1.9	1.6								5.8	8.1
WNW	.6	2.6	2.3	.6								6.1	7.1
NW	.6	1.0	3.2	2.9	.3							8.1	9.4
NNW	.6	2.3	1.0	.3								4.2	5.9
VARB.													
CALM												2.3	
	11.6	34.8	38.1	12.9	.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	6.1	2.9	.3								11.0	5.5
NNE	.6	4.2	2.3	.6								7.7	6.3
NE	1.0	2.9	1.0									4.8	5.2
NNE	.3	.6	1.0									1.9	6.2
E	.3	1.6	1.3		.3							3.5	7.1
ESE	1.3	3.5	3.2	.6								8.7	6.6
SE	.3	5.5	7.7	3.9	.3							17.7	8.7
SSE		2.9	5.5	2.9	.3							11.6	9.0
S		.6	1.3	1.3								3.2	9.5
SSW			1.3	1.0	.3							2.6	11.6
SW		1.0	1.9	1.0								3.9	9.1
WSW		.6	1.9	1.6								4.2	10.5
W	1.0	.3	1.0	.6								2.9	7.1
WWW		1.0	2.6	.6								4.2	8.2
NW	.3	1.9	2.9	1.6	.3							7.1	9.3
NNW	.6	1.0	1.0	.3								2.9	6.3
VARIABLE													
CALM												1.9	
	7.4	33.9	38.7	16.5	1.6							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

BR06

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEAR

MAY
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	2.6									6.5	5.6
NNE	1.3	4.2	2.6	.3								8.4	5.8
NE	1.5	2.9	1.3	.3								6.1	5.2
ENE	1.0	1.6	.3									2.9	4.4
E		.6	.3	.6								1.6	8.0
ESE	1.3	2.9	3.5									7.7	6.0
SE	1.0	5.5	6.8	2.9								16.1	7.7
SSE	.6	3.5	9.0	8.7	.3							22.3	9.7
S		.3	1.3	1.6	.3							3.5	10.9
SSW		.3	2.3	1.3								3.9	9.8
SW		.3	1.0	1.0	.3							2.6	11.0
WSW			1.6		.3							1.9	10.0
W		1.3	1.3	1.0								3.5	8.9
WNW	.3	.3	.6	.3	.6							2.3	11.1
NW	.6	2.3	2.0	.6								6.5	7.0
NNW		1.0	1.0	.6	.6							3.2	10.3
VARB.													
CALM												1.0	
	9.4	29.4	38.4	19.4	2.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

6
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

FEB
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.5	2.9	1.8								8.5	7.1
NNE	.7	3.9	2.4	.7	.4							8.5	7.0
NE	.7	3.5	1.1	.7								6.0	6.1
ENE	1.4	3.2	1.4									6.0	5.0
E	.7	1.2	.7									3.2	5.4
ESE	1.1	.7	.4									2.1	4.0
SE	1.1	2.2	3.2	1.8								8.9	7.2
SSE	.4	1.4	2.5	1.8	.4							6.7	8.9
S		1.4	.7	1.4								3.5	8.9
SSW	.4	.4	1.1	.7	.7							3.2	10.3
SW		.4	1.4	2.1								3.9	10.4
WSW		.7	2.1	1.8	.4							5.0	10.7
W		.4	3.2	1.1	.4							5.0	10.3
WNW		1.4	1.4	2.1	.4	.4						5.7	10.4
NW		1.1	3.5	6.4	1.4							12.4	12.1
NNW	.4	1.1	5.7	3.9	.7							11.0	10.3
VARBL													
CALM												.4	
	9.2	26.6	33.7	26.2	4.6	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

282

8806

2025-04-22

122

YEARS

POINT

22

紐約 (L. B. Y.)

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SURFACE WINDS

1721
PAGE

PATUXENT RIVER, MARYLAND
STATION NAME

73-82

MAY

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ALL WEATHER

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ALL

NOV 22 (L.S.T.)

CONTENTS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3										.7	3.0
NNE		.7										.7	6.0
NE		1.7	.7	.3								2.7	7.1
NNE	.3	1.3	.3									2.0	5.0
E	1.0	1.0	.7	.3								3.0	5.2
ESE	1.0	1.7	.3	.3	.3							3.7	6.2
SE	.3	1.3		.3								2.0	5.3
SSE	2.7	2.0	1.0	.3								6.0	4.9
S	3.7	6.0	4.7	.3								14.7	5.4
SSW	2.0	3.7	3.7	1.7								11.0	6.8
SW	1.0	4.3	6.3	1.0								12.7	7.1
WSW	.3	3.0	1.0	.3								4.7	6.3
W	3.0	3.0	1.0									7.0	4.3
WNW	5.3	1.3	1.0									7.7	3.6
NW	2.3	1.0			.7							4.3	5.4
NNW	2.0	2.3	2.3									6.7	5.3
VARBL													
CALM												11.0	
	25.3	34.7	23.0	5.0	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17021
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSFEB
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	3.2	1.4								8.7	7.2
NNE	.9	2.1	2.3	.7	.0							6.7	6.8
NE	1.0	2.0	.6	.4	.1							4.3	6.2
ENE	.6	1.5	.8	.1								3.7	5.4
E	.9	1.1	.6	.0								2.6	4.8
ESE	.9	1.2	.3	.0								2.3	4.6
SE	1.1	2.3	2.0	.4								5.0	6.1
SSE	1.1	1.8	2.0	1.0	.1							5.9	7.1
S	1.2	2.0	1.1	.6	.0							5.0	6.3
SSW	.6	1.3	1.5	.8	.1							4.3	7.7
SW	1.1	.6	1.8	1.5	.1	.7						5.3	8.3
WSW	.6	.8	1.2	1.0	.1							3.7	8.2
W	.7	1.1	1.1	.6	.1							3.8	7.6
WNW	1.2	1.6	1.5	1.6	.6	.2						6.6	9.0
NW	1.6	2.3	3.6	3.6	.7	.1						12.1	9.3
NNW	2.0	2.7	4.5	2.4	.3		.1					11.9	9.1
VARS													
CALM												8.4	
	16.6	27.3	28.5	16.5	2.4	.3	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2256

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.3	5.9
NNE		1.0	.3	.3								1.7	7.0
NE		1.3	1.0	.3								2.7	6.6
ENE	.3	1.3	.7									2.3	5.1
E	1.0	1.3	1.3									3.7	5.5
ESE	.3	.3	.3	.3								1.3	7.5
SE			.7									.7	9.0
SSE	1.7	1.7		.3								3.7	4.3
S	2.0	2.3	1.7	.7								6.7	5.8
SSW	2.7	3.3	4.0	1.7								11.7	6.3
SW	1.3	3.0	4.3	1.7								10.4	7.1
WSW	1.3	3.7	1.7	.7								7.4	5.8
W	3.7	5.4	.7	1.0								10.7	4.7
WNW	3.3	4.3	1.0	.3								9.0	4.5
NW	1.7	2.3	.7									4.7	4.4
NNW	1.3	2.7	1.3	.3								5.7	5.4
VARBL													
CALM												14.4	
	21.4	35.5	21.1	7.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-92 JUN

STATION STATION NAME YEARS MONTH

ALL WEATHER 07

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	1.0	.3								4.0	5.1
NNE	1.0	.7	2.3	.3								4.7	6.5
NE	1.3	.7	1.3									3.3	6.2
ENE	.3	2.3	1.3									4.0	6.2
E	.7		.3									1.0	4.3
ESE	.3	1.7	1.0	.3								3.3	6.4
SE	.3	.7	.7	1.0								2.7	7.6
SSE	.3	.7	1.3									2.3	6.4
S	1.7	4.3	1.0	.7								7.7	5.3
SSW	1.0	2.3	2.7	.3								6.3	6.5
SW	2.0	2.7	6.0	2.3								13.0	7.5
WSW		4.0	4.0	1.3								9.3	7.9
W	1.0	4.0	1.7									6.7	5.6
WNW	.7	5.0	2.7		.3							8.7	6.2
NW	2.3	3.0	1.7	.3								7.3	5.4
NNW	3.0	1.0	2.7	.3								7.0	5.6
VARB.													
CALM												9.0	
	17.7	34.0	31.7	7.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN

ALL WEATHER

10

HOURS (L & T)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.3	2.3	.7								7.3	6.4
NNE	1.7	3.3	2.3	.7								8.0	6.0
NE	.7	3.3	.7									4.7	5.1
ENE	.3	1.3	.7									2.3	5.7
E	1.3	4.3	.3									6.0	4.4
ESE	.3	2.7	1.7	.3								5.0	6.5
SE	1.0	2.7	4.7	.3								8.7	6.8
SSE	.7	2.7	1.0	.3								4.7	6.1
S	.3	2.0	3.0	.3	.3							6.0	7.8
SSW	.3		4.3	.3								5.0	8.5
SW	.3	1.0	3.0	1.0								5.3	8.1
WSW	.7	1.3	5.0	2.0								9.0	8.6
W	2.7	2.0	3.7									8.3	6.0
WNW	.3	1.7	2.0									4.0	6.8
NW	.3	1.7	4.0	2.3								8.3	8.7
NNW	.7	2.0	2.3									5.0	6.2
VARB													
CALM												2.3	
	12.7	35.3	41.0	8.3	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



2

74596-6132

7275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11121
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-52
YEARS

JUN
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION



2

1406437

172

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721	PATUXENT RIVER, MARYLAND	73-82	MAC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			17
CLASS			HOURS 11 57
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.4	2.0	1.9								8.1	7.6
NNE	1.9	4.2	1.9	.6								8.7	5.4
NE	.6	2.3	1.0									3.9	5.5
ENE	1.0	2.3	1.0	.6								4.9	6.3
E		1.3	1.0	.3								2.6	7.4
ESE	.5	1.6	1.6									3.6	6.8
SE	1.0	1.9	2.3	.6								5.9	6.8
SSE		1.6	1.3	1.0	.3							4.2	5.6
S		1.3	1.9	1.3	.3							4.9	9.9
SSW	1.0	1.3	1.9	1.6	.3							6.1	8.7
SW		.3	2.6	2.9	.6							6.5	12.2
WSW	.5	1.0	2.4	1.3								5.5	7.9
W	.3	.6	.6	.6	.6							2.9	10.7
WNW	.3	1.6	4.2	3.2								9.4	9.4
NW		1.6	2.0	6.5	1.6	.3						12.9	12.3
NNW	1.0	.3	2.4	3.6	.3							9.1	10.0
VARB													
CALM												1.9	
	1.7	25.0	32.7	26.0	4.2	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1.721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS JUN MONTH 16 HOURS 11.57

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	.7									4.3	4.8
NNE	1.0	1.0	3.0	.3								5.3	5.3
NE	.7	3.3	1.0									5.0	5.1
ENE		1.0	1.0	.7								2.7	8.1
E	1.0	1.7	.7	.3								3.7	5.5
ESE	.7	1.7	.3	.3								3.0	5.3
SE		4.7	7.0	2.3								14.0	8.1
SSE	1.0	4.7	14.0	5.3								25.0	6.7
S	.3	.3	3.3	.7								4.7	8.7
SSW		.3	2.3	1.7								4.3	9.8
SW			2.0	2.3	.3							4.7	11.2
WSW		1.3	1.3	.3								3.0	7.7
W	.7	1.3	3.0									4.7	7.1
WNW	.3	1.0	.7	.7								2.7	7.1
NW	.3	1.3	3.3	1.3								6.3	9.5
NNW	.7	3.0	.7	.7								5.0	6.2
VARBL													
CALM												1.7	
	7.3	29.3	44.3	17.0	.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

E
2

NAME 6137

1726

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972 STATION FATHENT RIVER, MARYLAND 73-82 YEARS MONTH 17
STATION NAME CLASS ALL WEATHER HOURS 11 5 T
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	3.0	1.0								0.7	5.8
NNE	.6	3.2	4.2	.8								8.7	7.1
NE	1.7	2.3	1.7	.3								5.5	6.1
ENE	.7	1.6	1.3	.6								3.3	7.1
E	1.6	2.5	1.7									5.2	4.8
ESE	.3	2.9	2.9	.3								6.5	5.6
SE	.3	4.4	5.7	2.3								12.4	7.9
SSE		1.6	1.0	2.6								6.1	9.5
S	.6	.6	1.7	1.3	.3							3.9	9.9
SSW			1.0	1.6	.3							2.0	12.2
SW	.7	1.5	1.9	1.9	.3							5.5	10.4
WSW	.3			1.6	.3	.7						2.6	13.8
W		1.7	1.7	1.6	.3	.7						4.5	11.7
WNW		1.3	2.0	4.5	1.3							10.7	11.9
NW	.7	.3	1.7	2.9	2.6							7.4	13.9
NNW	.7	.3	1.0	2.6	.6							4.0	11.8
VARBL													
CALM												.7	
	7.4	27.1	32.6	25.8	6.1	.6						170.0	9.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



2

1000412

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSJUN
MONTHALL WEATHER
CLASS10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	.7									4.0	4.1
NNE	1.3	1.7	.3									3.3	4.2
NE	1.3	1.0										2.3	3.4
ENE	.7	1.7	1.3									3.7	5.7
E	.7	.7	1.0	.3								2.7	6.1
ESE	1.7		.7	.3								2.7	5.3
SE	2.0	1.7	1.3	.7								5.7	5.6
SSE	2.7	9.0	7.3	1.7								20.7	6.5
S	3.0	11.7	5.7									20.3	5.6
SSW	1.0	3.7	1.0	.3								6.0	6.8
SW		1.0	1.3	1.0								3.7	8.3
WSW		1.3	.7	.3								2.3	7.3
W	.7	2.3	1.0	.3								4.3	5.2
WNW	1.7	1.0	.3	.7								3.7	5.5
NW	.3	1.7	.7	.3	.3							3.3	7.1
NNW	1.0	3.0	1.0	.3								6.3	5.1
VARBL													
CALM												5.0	
	21.0	43.0	24.3	6.3	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1701 PATIENT RIVER, MARYLAND 73-82 YEARS NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.3								8.4	7.0
NNE		2.0	5.0									4.4	7.0
NE	.7	1.0	1.3	.3								2.3	7.3
ENE		.5	.7	.3								1.5	7.8
E	1.0	1.0										3.0	3.6
ESE	1.0	4.5	1.0									7.4	5.6
SE	1.0	2.6	6.3	1.6		.7						12.6	8.1
SSE	1.0	1.0	8.7	4.5	.3							18.1	9.1
S	.5	.3	.6		.3							1.6	8.2
SSW		.7	1.7	1.6								3.2	10.6
SW	.7		1.6	1.0								2.6	9.9
WSW		.3	2.2	1.7		.7						4.2	10.8
W	.7	.3	1.0	2.6	.3							4.5	10.9
WNW		.7	1.7	2.6	.6							5.2	12.2
NW	1.0	1.3	3.2	4.5	.3							10.2	10.5
NNW	1.0	.7	1.0	2.9	.3							5.2	10.4
VARBL													
CALM												1.7	
	5.0	21.6	40.6	24.5	2.3	.6						100.7	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7	1.0	.7									2.3	5.1
NE	.7	1.0	1.0									2.7	5.9
NNE	1.0	.3	.7	.3								2.3	5.9
E	.7	1.3	2.0	.3								4.3	6.2
ESE		.7	.3	.7								1.7	8.4
SE	.7	.7	1.7	.3								3.3	6.9
SSE	1.7	3.7	3.3	.3								9.0	5.7
S	6.7	10.0	6.7									23.3	5.0
SSW	4.0	4.0	4.7	1.3								14.0	6.1
SW	3.7	2.3	2.3	1.0								9.3	5.6
WSW	.3	.7	1.0									2.0	6.7
W	2.0	3.3	.3	.3								6.0	4.6
WNW	1.0	2.7	.3	.3								4.3	5.0
NW	1.3	2.7	.3									4.3	4.2
NNW	1.0	1.0	1.3									3.3	5.8
VARS													
CALM												7.0	
	26.0	35.3	26.7	5.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND 73-92

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MAP NORTH 10 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	7.7	2.7	.3	.3							7.7	6.6
NNE	1.7	.6	1.6		.3							4.7	6.5
NE	.3	.4	.3									1.3	5.0
ENE	.3	.6	.4									1.6	6.0
E	1.7	1.4	1.7									4.7	5.7
ESE	.3	1.3	.3									2.3	5.1
SE	.4	7.9	1.4	.3								6.6	6.0
SSE	.3	6.1	4.6	2.3								12.1	6.1
S	1.7	2.9	3.6	1.6								9.0	6.4
SSW	1.7	1.7	1.7	.3								3.6	5.9
SW	.4	.6	1.7	1.6								3.6	7.7
WSW	.3	2.3	.3	1.6								2.6	7.1
W		.4		1.7		.3						2.3	12.0
WNW	.3	1.4	.4	1.9	.6							5.2	9.9
NW	1.7	.3	2.6	2.6	.6							7.4	10.4
NNW	1.7	3.6	2.3	1.6	.3							9.4	7.3
VARBL													
CALM												10.7	
	17.2	33.2	25.5	13.5	2.3	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310



2

1400 643

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSJUL
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	1.0	.2								3.8	5.5
NNE	.9	1.6	1.3	.2								4.0	5.8
NE	.7	2.0	.9	.1								3.7	5.6
ENE	.5	1.2	.3	.2								2.7	6.0
E	.9	1.5	.8	.2								3.4	5.3
ESE	.7	1.7	.9	.4	.0							3.5	6.1
SE	.5	2.3	3.2	1.3								7.3	7.6
SSE	1.4	3.4	4.2	1.2								10.2	7.0
S	2.3	4.7	3.7	.4	.0							11.1	5.8
SSW	1.4	2.2	3.2	1.0								7.8	6.9
SW	1.1	1.9	3.5	1.4	.0							7.9	7.6
WSW	.4	2.1	2.2	.8								5.5	7.5
W	1.7	2.9	1.5	.3	.0							6.3	5.5
WNW	1.6	2.3	1.2	.5	.0							5.6	5.6
NW	1.2	1.8	1.6	.8	.1							5.5	6.7
NNW	1.5	2.1	1.6	.3								5.5	5.6
VARBL													
CALM												6.3	
	17.7	35.0	31.4	9.2	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS



2

7146-4432

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11001	PATNAENT RIVER, MARYLAND	73-82	MAC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			22
CLASS			HOURE (L S Y)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.3	.3	.3							6.5	6.7
NNE		1.0	1.0	.6								4.2	7.8
NE		1.0										1.7	4.3
ENE	1.0	.3	.7	.3								2.3	4.7
E	.7	1.3	1.6									3.2	6.3
ESE	.4	1.4	.3									2.5	4.9
SE	1.0	2.0	1.9	.3								6.5	5.6
SSE	1.0	3.0	2.0	.6								9.0	5.9
S	3.2	3.0	3.0	1.3								12.3	6.3
SSW	1.0	1.0	2.3	1.3								5.9	7.3
SW	.7	.3	1.0	.6								2.3	8.3
WSW	1.0	.6	1.0		.3							3.2	6.5
W	1.0	2.0	.6	.3	.3							5.8	6.2
WNW	.7	1.3	1.0	1.0	.3							7.7	8.3
NW	.7	2.3	1.0	3.2	.6							8.4	10.1
NNW	1.0	2.0	3.0	2.0								11.3	7.9
VARBL													
CALM												8.4	
	15.7	29.7	27.4	13.9	1.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 315

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.P.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.8
NNE	.6	1.6	.3	.3								2.9	5.8
NE	.6	.6	.3									1.6	5.0
ENE	1.3	.6										1.9	2.8
E	.6	1.6		.3								2.6	4.9
ESE	.3	.6	.3	.3								1.6	7.4
SE	.6	.6										1.3	3.3
SSE	.3	1.6	1.0	.3								2.6	6.8
S	5.8	4.8	.6	1.3								12.6	4.7
SSW	2.9	3.9	4.5	.3								11.6	5.7
SW	2.3	4.8	7.1	.3								14.5	6.2
WSW	1.9	2.3	1.3	.3								5.8	5.0
W	1.6	5.2	1.6	.3								8.7	5.2
WW	1.3	2.9	1.0	.3								5.5	5.5
NW	2.3	1.9	.3									4.5	3.9
NNW	1.3	1.6	1.0									3.9	4.7
YAR													
CALM												17.1	
	24.5	34.8	19.4	4.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

E
2

7406-1437

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721	PATUXENT RIVER, MARYLAND	73-92	MAP
STATION	STATION NAME	YEARS	NORTH
ALL WEATHER			ALL
CLASS			HOURS (L S Y)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.7	.9	.1							7.3	6.9
NNE	.0	2.3	2.3	.5	.1							6.0	6.8
NE	.6	1.5	.7	.2								3.1	5.9
ENE	.0	1.3	.7	.4								3.1	6.0
E	.9	1.6	1.0	.1								3.5	5.3
ESE	.0	1.0	1.0	.0								2.4	5.7
SE	.0	2.5	2.6	.6		.0						6.9	6.9
SSE	1.0	2.9	3.7	1.5	.1							8.7	7.3
S	1.2	1.8	2.3	1.3	.1							6.7	7.5
SSW	.6	.7	1.0	1.5	.1	.0						4.9	9.0
SW	.4	.8	1.9	1.3	.1							4.6	9.1
WSW	.5	.8	1.4	.7	.1	.1						3.7	8.3
W	1.0	1.3	1.2	1.2	.2	.1						4.9	8.2
WNW	.0	1.4	1.0	2.7	.4							7.6	9.5
NW	.3	1.4	2.5	3.1	.8	.1						8.7	10.5
NNW	1.7	2.3	3.4	2.2	.2							9.4	6.2
VARBL													
CALM												7.3	
	13.5	27.4	30.6	18.4	2.5	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-82 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

04

COORDINATE

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.3									2.3	4.7
NNE	1.9	1.3	.6	.6	.3							4.8	6.6
NE	.3	1.9	1.0									3.2	5.5
ENE	.6	.6										1.7	3.5
E	1.6	1.0		.3								2.9	4.4
ESE	.3	.3	.6									1.3	6.0
SE	.3		1.0		.3							1.6	8.6
SSE	.3	1.0										1.3	4.0
S	3.5	1.3	.6									5.5	3.6
SSW	1.6	1.6	2.6	1.6								7.4	7.2
SW	1.6	5.8	3.9	1.0								12.3	6.5
WSW	2.6	6.5	1.0	.6								10.6	5.0
W	6.9	4.5	1.0									12.3	3.8
WNW	5.2	3.5	1.3									10.0	4.1
NW	2.3	2.9	1.3									6.5	4.7
NNW	1.6	2.6	.3									4.5	4.2
VARM													
CALM												12.3	
	31.3	36.1	15.5	4.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1770. PATUXENT RIVER, MARYLAND 73-92 APR 61
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.7	.7	.3							5.3	7.6
NNE	.7	1.0	1.3									3.0	5.7
NE		.3	.7				.3					1.3	12.0
ENE		.3	.7									1.0	7.3
E	.7	2.0	1.7	.3								4.7	5.6
ESE	.3	1.0	.3									1.7	5.6
SE	1.0	1.7	.7	.3								3.7	5.7
SSE	2.0	3.0	2.7	.7								8.3	6.0
S	2.0	3.0	2.7	1.7								9.3	7.1
SSW	.7	1.3	3.0	1.3								6.0	8.4
SW	1.3	1.7	3.0	1.7								7.7	8.0
WSW	1.0	1.0	2.3	.7								5.0	7.3
W	1.0	2.7	1.7	1.3								6.7	6.8
WNW	1.0	4.0	1.7	.3	.3	.3						9.7	6.2
NW	1.0	1.3	4.3	2.0	.3	.3						9.3	9.3
NNW	1.0	2.3	2.3	.7								6.3	6.9
VARB													
CALM												11.0	
	16.7	26.3	30.7	11.7	1.0	.7	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.6									2.3	5.0
NNE		1.0	2.6	.3								4.9	6.8
NE	1.6	2.6	1.3									5.5	4.8
NNE	1.6	1.6										3.6	3.5
E	1.0	.6	.6	1.0								3.2	7.5
ESE			.3									.3	8.0
SE	1.0	1.0	.3									2.3	4.3
SSE	1.0	.6	.3									1.9	5.0
S	1.0	1.6	1.0									4.5	4.6
SSW	.6	1.6	1.3	1.0								4.5	7.9
SW	1.0	4.2	5.2	1.6								12.9	6.9
WSW	.3	5.2	2.9	1.0								9.4	6.4
W	2.9	6.5	2.3									11.7	4.7
WNW	4.5	3.9	.6									9.1	3.9
NW	2.3	4.0	1.6	1.0								9.7	5.4
NNW	2.9	3.6	.6									7.1	4.2
VARIABLE													
CALM												7.1	
	24.6	40.8	21.7	5.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

309

8808

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS
APR
NORTH
ALL WEATHER
CLASS
34
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	2.7	.7								5.7	7.0
NNE	1.0	1.3	.3	.3								3.0	5.9
NE	.7	1.7	.3									2.3	5.1
ENE	1.0	1.0	.7									2.7	4.0
E	.7	1.3	1.3									3.3	5.0
ESE	.7	1.0	.3									2.0	4.2
SE	1.7	.3	.3	.3								2.3	4.4
SSE	1.7	.7	1.0	.7								3.7	6.3
S	1.0	1.0	.7	1.0								3.7	5.4
SSW	1.0	1.0	2.7	1.3								6.0	7.6
SW		3.0	3.3	3.3								9.7	9.0
WSW	1.7	.3	2.0	.7								4.3	7.3
W	1.7	4.3	2.3	.7								8.7	6.1
WNW	2.7	4.0	1.0	.7	.3	.3						9.0	6.8
NW	3.0	2.7	3.0	3.0								11.7	7.1
NNW	1.0	3.0	3.0	.7		.3						8.0	7.1
VARB													
CALM												14.0	
	17.7	29.0	25.0	13.3	.3	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
10
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.9	1.7	.6								7.8	6.1
NNE	1.7	4.9	2.7	.3								9.1	5.8
NE	.6	3.2										3.9	4.2
NNE	1.7	1.0	.3									2.3	4.1
E	.6	1.0	1.6									3.2	5.7
ESE	1.3	4.5	1.7	.6								7.4	5.4
SE	.6	2.9	2.9	.6								7.1	7.0
SSE	1.0	1.3	1.3									3.6	5.6
S	1.3	2.9	1.7									5.2	4.6
SSW	1.7	1.3	1.7	1.3								5.5	7.8
SW		1.3	3.2	1.9								6.5	8.7
WSW	.6	1.9	3.2	.6								6.5	7.1
W	1.6	2.3	.6	.3								4.9	5.0
WNW	2.6	4.9	1.6	.3	.3							9.7	5.3
NW	1.9	3.6	2.6	1.0								9.1	6.0
NNW	1.7	1.6	1.3									3.9	5.1
VARIABLE													
CALM												4.5	
	17.5	42.4	27.5	7.8	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

18721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	2.7	.3		.3						6.0	8.1
NNE	.7	1.3	.7	.3								2.7	7.0
NE	1.0	2.3	.7									4.0	4.8
ENE	.7	.7	.3	1.0								2.7	7.6
E	.7	2.0	1.3	.7								4.7	6.6
ESE	1.3	.3	1.0									2.7	4.6
SE	.7	.3	.3									1.3	4.5
SSE		1.3	2.7	.3								3.7	7.5
S	.7	1.7	1.3	.7		.3						3.7	9.1
SSW	.7	1.7	1.3	2.7								6.7	8.8
SW	.3	2.7	2.7	3.0	.7							8.7	9.9
WSW	.3	.7	1.3	1.3								3.7	8.9
W	.7	2.3	3.3	.3								6.7	7.1
WNW	.3	3.7	3.3	2.3		.7						13.0	6.8
NW	1.7	3.3	4.7	2.3								11.3	7.7
NNW	1.7	3.7	3.7	1.3	.3							9.0	7.5
VARB.													
CALM												10.0	
	13.7	28.3	29.3	16.7	1.0	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-92 JUL
STATION STATION NAME YEAR MONTH
ALL WEATHER CLASS 13
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	2.9	1.6	.3								7.4	4.9
NNE	1.6	5.5	1.9									9.0	5.4
NE	.3	2.3	.6									3.2	5.2
ENE	1.6	1.3										2.9	3.7
E	.6	1.6	.3	.3								2.9	5.1
ESE	1.3	5.8	2.6	.3								10.0	5.7
SE	1.0	6.5	6.1	2.9								16.5	7.4
SSE	.3	5.2	2.9	1.0								9.4	6.8
S	.3	1.3	2.3	1.9								5.8	8.6
SSW	.3	1.3	1.3	1.9								4.8	8.5
SW	.3	1.0	1.3	.3								2.9	6.8
WSW		1.3	1.9	1.9								5.2	8.9
W	1.0	2.3	1.0	.3								5.5	6.4
WNW			1.0	.6								1.6	9.4
NW	.6	2.9	2.3	.3								6.1	6.3
NNW	1.6	.6	1.3	1.0								4.5	6.1
VARIABLE													
CALM												2.3	
	13.5	41.6	29.4	13.2								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

E
2

7406-542

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS
ALL WEATHER CLASS
CONDITION
APR NORTH 10 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	5.0	3.7	1.0		.3						10.3	7.4
NNE	1.0	1.7	1.3	.3								4.3	6.3
NE		1.7	2.3	.7								4.7	7.4
ENE	.7	1.3	1.0	.3								3.3	6.4
E	.7	1.0	1.0	.3								3.0	6.7
ESE		3.3	1.3									4.7	5.7
SE	.7	2.3	3.3	.7								7.0	7.2
SSE	.3	1.7	1.7	1.3								5.0	8.0
S	.7	1.3	1.0	1.7								4.3	8.5
SSW	.3	.3	1.7	3.7								6.0	11.0
SW	1.0	.7	.7	3.7		.7						6.7	11.5
WSW	.7	.3	3.7	1.0								5.7	8.9
W		1.3	2.3	2.3			.3					6.3	11.2
WNW	.3	2.0	3.0	2.7	.3	.3						9.3	9.8
NW		1.7	5.7	5.7								13.0	10.4
NNW	.7	1.0	2.0	2.3								6.0	9.2
VARBL													
CALM												.7	
	7.0	27.0	35.7	27.7	.3	1.3	.3					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATuxENT RIVER, MARYLAND 73-82 JUL
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
16
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	1.3									5.5	4.8
NNE	2.6	4.5	1.9									9.0	4.9
NE		1.6	.6									2.3	5.3
ENE	.3	.6	1.0									1.9	5.6
E	.6	1.6	.6									2.9	5.1
ESE	.6	3.5	1.9	.3								6.5	6.2
SE	1.0	5.8	8.7	2.3	.3							18.1	7.7
SSE	1.6	3.2	9.4	3.9								18.1	8.3
S	1.0	1.0	3.2	1.0								6.1	7.4
SSW	.3	1.9	1.3	.3	.3							4.2	7.6
SW		1.6	1.3	.6								3.5	8.3
WSW		1.0	1.3	.6	.6							3.5	10.3
W		1.6	3.9	1.0								6.5	8.0
WNW		1.0	1.6	.6								3.2	8.6
NW	.6	.6	1.0									2.3	5.4
NNW	1.0	1.3	1.6	.3								4.5	6.0
VARIABLE													
CALM												1.9	
	11.9	33.2	40.6	11.0	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS APR
MONTH
17
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.7	.3							5.7	7.4
NNE	.7	1.0	2.0	.7								4.3	7.5
NE	1.7	3.0	3.0	1.0								8.4	6.7
ENE	.7	1.0	2.7		.3							4.7	7.0
E	1.0	.7	.7	.3								2.7	6.6
ESE	.7	2.3	2.7	.3								6.0	6.6
SE	.7	3.7	8.7	4.0	.3							17.4	6.6
SSE		1.3	1.3	4.7								7.4	10.7
S			.7	2.0								2.7	12.0
SSW	.7		.3	3.0								3.7	11.5
SW			1.0	1.0	1.0							3.0	13.9
WSW			1.3	2.0	.3	.3						4.0	13.4
W		.7	2.7	4.3	.7							8.0	12.0
WNW			1.0	2.7	.7		.3					4.7	13.6
NW	.7	.7	3.3	4.3	1.3							10.0	11.5
NNW	.7	1.0	3.3	1.3	.3							6.7	8.9
VARBL													
CALM												.7	
	7.0	17.7	36.1	32.4	5.4	.3	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS JUL MONTH 19 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	1.0	.3	.6	.3							5.6	5.1
NNE	1.0	.3	1.0									2.3	4.7
NE					.3							.3	20.0
NNE	.6		.3									1.0	3.7
E	.6	2.6	.3									3.6	4.7
ESE	1.3	.3	.6									2.3	4.3
SE	1.7	2.3	1.6									5.2	5.6
SSE	1.6	8.4	3.2	1.6								14.9	6.2
S	5.5	13.3	5.2			.3						24.3	5.1
SSW	1.9	3.2	1.6	.3								7.1	5.2
SW		2.6	.3		.3							3.2	7.0
WSW	.6	1.3	1.6									3.6	5.9
W	.3	1.3	1.9	.3								3.9	6.6
WNW	.3	1.6	1.3					.3				3.6	8.5
NW	1.7	1.0	.6									2.9	4.3
NNW	2.6	1.3	.3	.3								4.5	4.1
VARIABLE													
CALM												11.7	
	22.7	40.5	20.4	3.2	1.0	.3		.3				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	3.3	.7								6.7	7.4
NNE	.7	2.7	2.7	.7								6.7	7.0
NE	.7	1.7										1.3	3.8
ENE	.7	.7	.3	.3	.3							2.3	8.0
E	.7	1.7	.3		.3							3.0	5.7
ESE	1.0	1.3	2.0	.3		.7						5.0	7.3
SE	1.0	4.7	6.7	4.0								16.3	7.9
SSE	.3	2.3	6.7	7.0								16.3	10.0
S		.7	2.0	1.0	.7							4.3	10.7
SSW		.3	.7	1.0	.3							2.3	11.1
SW		.7	.7	2.0	.7							4.7	12.7
WSW			1.7	1.7	.3	.3						4.0	12.8
W		.3	1.7	2.0	.3		.3					4.7	13.5
WNW		.7	2.0	1.7		.7						5.0	11.6
NW	.7	.7	3.3	6.7	.3	.3						12.0	11.3
NNW	.3		1.0	1.7	.7	.3						4.0	12.7
VARBL													
CALM												1.3	
	6.3	19.3	35.0	31.7	4.0	2.0	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 STATION PATUXENT RIVER, MARYLAND 73-22 YEARS JUL
MONTH
22
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.3		.3								1.9	4.5
NNE	.6	.3		.3								1.3	5.8
NE	1.7	.6	.3									2.3	3.9
ENE	.7	1.0										1.3	4.3
E	.3	1.0	1.3	.3								2.9	7.2
ESE		1.6		.3								1.9	5.8
SE	1.0	.3	1.3	.3								2.9	6.9
SSE	.3	2.3	1.3	.6								4.5	7.0
S	6.1	11.6	1.9	.6								20.3	4.6
SSW	3.5	7.4	3.2	.6								14.8	5.2
SW	2.6	6.5	1.6	1.0								11.6	5.4
WSW	1.3	1.6	.6									3.5	4.5
W	1.9	2.3	1.0									5.2	4.4
WNW	.6	1.6	.5									2.9	5.0
NW	1.0	.6	.6									3.2	4.1
NNW	.6	1.6	.3	.6								3.2	6.2
VARB.													
CALM												16.1	
	23.0	40.6	14.2	5.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS JUL MONTH
ALL WEATHER CLASS ALL HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.6	.2	.0							4.3	5.1
NNE	1.2	2.5	1.4	.2	.0							5.4	5.7
NE	.5	1.6	.5		.0							2.8	5.0
ENE	1.0	.4	.2									2.0	3.9
E	.3	1.4	.6	.3								3.3	5.6
ESE	.6	2.1	.9	.2								3.9	5.8
SE	.3	2.4	2.7	.8	.1							6.5	7.0
SSE	.3	2.9	2.4	.9								7.3	6.9
S	3.2	4.7	2.1	.6		.7						10.5	5.2
SSW	1.4	2.8	2.2	.9	.0							7.5	6.4
SW	1.1	3.5	3.7	.9	.2							8.4	6.7
WSW	.3	2.5	1.7	.6	.1							6.7	6.4
W	2.0	3.2	1.9	.3								7.3	5.2
WNW	1.8	2.4	1.1	.2	.0			.0				5.7	5.4
NW	1.7	2.3	1.3	.3								5.5	5.2
NNW	1.1	1.2	.6	.3								4.5	5.0
VARBL													
CALM												9.1	
	21.2	38.6	23.6	6.8	.4	.0		.0				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2477

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUMENT RIVER, MARYLAND 73-82 YEARS MONTH 01 HOURS 01

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0		.0									1.0	5.3
NNE	.0	1.0	1.0									2.0	5.4
NE	.0	.0		.3								1.0	4.8
ENE	1.0	1.0	1.0									3.0	5.1
E	2.0	1.0										4.0	3.8
ESE	.0	.0	.0									1.0	5.2
SE	1.0	1.0										2.0	3.7
SSE	.0	.0	.0									1.0	5.0
S	5.0	6.1	.0	.6								12.0	4.1
SSW	5.0	5.5	1.0	.6								11.0	5.4
SW	1.0	5.5	3.0	2.3								13.0	7.0
WSW	2.0	1.0	1.0									5.0	4.8
W	4.0	2.0	1.0									9.0	3.7
WNW	2.0	2.0										5.0	3.4
NW	1.0	1.0	1.0									3.0	5.8
NNW	2.0	1.0	1.0									6.0	4.7
VARBL													
CALM												13.0	
	32.0	34.2	15.0	3.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

2

NAME (LAST)

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-42 YEARS
APR NORTH
22
HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	2.0	.3								6.7	5.8
NNE	.7	1.0	.3									2.7	4.2
NE	.7	1.3		.3								2.3	5.7
ENE	.3	1.0	.7									2.0	5.7
E	.3	1.0	1.0	.3								2.7	6.9
ESE	.7	1.3	.3									2.3	4.3
SE	1.0	3.0	1.3									5.7	5.6
SSE	.7	3.3	4.7	1.3	.3							10.3	7.5
S	3.0	4.7	4.7	1.0								13.3	5.2
SSW	0.0	1.3	3.0	1.7								8.7	7.4
SW	2.0	2.0	1.0	1.7								6.7	6.8
WSW	1.0	1.3	.3	.7								3.3	6.6
W	.7	1.3	2.0	1.0								4.7	6.4
WNW	1.7	1.0	2.0	2.3	.3	.7						7.7	9.8
NW	.7	1.0	2.3	1.3		.7						5.7	9.6
NNW	.7	.7	3.7	1.0	.7							6.7	9.0
VARBL													
CALM												11.7	
	17.3	27.3	29.3	13.0	1.3	.7						110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 PATUXENT RIVER, MARYLAND STATION NAME YEARS 73-82 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 04
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.7	.6	1.0								1.6	9.7
NNE	.5	1.6	.6									2.9	5.4
NE	.6	1.6	1.3									3.5	5.8
ENE	.6	1.6	.6	.3								3.2	5.5
E	1.0	1.0	.6									2.6	4.8
ESE	.7	.6	.3	.3								1.6	6.8
SE	.6	.3										1.0	2.7
SSE	.3											.7	3.0
S	4.5	1.9	.6									7.1	3.7
SSW	2.9	3.2	2.3	.6								9.9	5.4
SW	2.3	5.2	5.2	.3								12.9	6.0
WSW	1.6	3.5	1.6	.6								7.4	6.0
W	5.5	4.2	.6									10.3	3.6
WNW	2.5	4.2										6.5	4.0
NW	2.9	1.9	1.0									5.5	4.1
NNW	4.5	2.6	.6									7.7	3.9
VARBL													
CALM												15.5	
	31.0	33.0	16.1	3.2								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

2

2270

228

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-7-2
STATUS

PATUXENT RIVER, MARYLAND
STATION NAME

73-92

APC

MONTH

ALL WEATHER

CLAIMS

ALL

HOURS (L S Y

CONDITION

SPEED

MEAN

6

2

1000000

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		13
	CLASS		HOURS (LST)

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS AUG MONTH 16

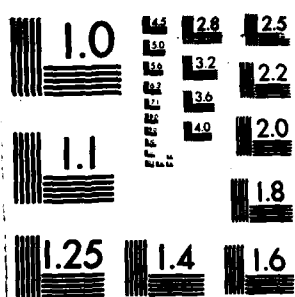
ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.2	1.6									7.4	5.0
NNE	1.3	4.5	1.6									7.4	5.2
NE	1.7	1.3	.3									2.6	4.5
ENE	1.0	1.6	.6									3.2	4.7
E	2.6	2.6	.6	.3								6.1	4.4
ESE	1.3	3.5	.6	.6								6.1	5.4
SE	1.7	7.7	5.2	2.9								16.3	7.3
SSE	.3	4.9	5.9	3.2								14.2	8.4
S	.3	3.5	1.6	1.0								6.8	6.8
SSW	.3	1.7	2.3	.6								4.2	7.5
SW		1.6	2.6									4.2	6.7
WSW		1.9	1.6	.3								3.2	6.8
W	.6	1.6	1.9									4.2	6.3
WNW	.5	1.2	1.3	.6								3.5	7.5
NW	.6	2.6	1.6									4.8	6.1
NNW	2.6	1.6										4.2	3.5
VARBL													
CALM												1.0	
	15.5	45.2	28.7	9.7								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 PATUXENT RIVER, MARYLAND 73-92 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER 19
CLASS NOVEMBER (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6	.6									3.9	3.8
NNE	1.5	.6										2.3	2.9
NE		1.3	.3									1.6	6.2
NNE	1.7		.6									1.9	4.8
E	.6	1.9	1.3	.3								4.2	6.4
ESE	1.3	1.3	.7									2.9	4.4
SE	.6	2.6	.6	.6								4.5	6.5
SSE	1.0	4.2	1.9	.3								8.4	5.3
S	10.0	14.5	6.1	.3								31.0	4.8
SSW	1.9	2.9	1.6									6.5	4.8
SW	1.0	1.3	1.0									3.2	5.1
WSW	1.0	1.3	.3									2.6	4.4
W	1.3	1.9	1.0									4.2	4.8
WNW	1.6	.3	.3									2.3	3.7
NW	1.3	1.0	.3									2.6	4.3
NNW	2.9	1.3	.6	.3								5.2	4.4
VARB.													
CALM												12.0	
	31.0	37.1	17.1	1.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.9	1.0	.3								7.1	5.1
NNE	.6	3.2	1.3	.3								5.5	6.2
NE	.6	1.3	1.6	.6								4.2	6.7
NNE	.6	1.6	.6									2.9	4.7
E	.6	1.6	2.3									4.5	6.5
ESE	.7	1.0	.6									1.9	5.5
SE	1.0	.6	1.0	.3								3.9	5.3
SSE	1.3	1.3	1.3	.3	.3							4.5	6.5
S	2.6	1.9	1.6	.6								6.5	5.5
SSW	.7	1.6	2.9	1.3								6.1	8.7
SW	.3	1.6	3.9	1.6								7.4	8.3
WSW	.3	1.0	2.9	.3								4.5	6.9
W	1.9	3.9	1.6	.3								7.7	5.3
WNW	1.0	4.5	1.6	.3								8.4	5.1
NW	2.3	2.6	2.6	1.0								8.4	6.3
NNW	1.5	5.5	1.6	.6								9.4	5.7
VARIABLE													
CALM												6.5	
	10.4	37.1	28.4	8.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

310

8106

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1771 PATUXENT RIVER, MARYLAND 73-82 AUG
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
22
HOURS (L O T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3										1.0	2.7
NNE	.6	.6	.3									1.6	4.8
NE	.6	1.7	1.0									2.6	5.4
ENE	.6	.3	1.3									2.3	6.0
E	.5	2.3	1.0									4.8	5.8
ESE		1.6	.3									1.9	5.3
SE	.7	1.3	2.3	.3								4.2	7.0
SSE	1.6	2.6										4.2	4.1
S	0.4	9.1	3.2									20.6	4.2
SSW	3.9	6.5	2.6									12.9	5.0
SW	2.9	5.5	1.6	.3								10.3	5.3
WSW	1.6	.6	1.0	.3								3.5	5.6
W	1.3	.6	1.9									3.9	5.6
WNW	1.3	.6										1.9	2.7
NW	1.9	1.0	.6									3.5	3.9
NNW	3.5	1.6	1.3									6.5	4.2
VARB													
CALM												14.2	
	31.0	34.5	19.4	1.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



2

240000Z

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

SEP

MONTH

01

HOURLY (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	.7									1.0	7.7
NNE	.7	1.3	2.0	.7								4.7	7.7
NE	1.7	3.7	1.7									6.3	5.5
ENE	.7	2.0	1.3									4.0	5.2
E	1.7	1.7	1.0	.3								4.7	4.9
ESE	.7	1.7	.3									2.7	5.0
SE	.7	2.0	.3	.3								3.0	5.8
SSE	1.0	2.0	.7	.3								4.0	5.3
S	3.3	2.3		.7	.7							7.0	5.5
SSW	3.3	4.0	2.0	.7								10.0	5.3
SW	2.7	3.7	3.0	.3								9.0	5.6
WSW	2.0	2.7	1.7									6.3	4.9
W	3.3	2.0	.7									6.0	3.7
WNW	2.3	.3	1.0	.3								4.0	4.8
NW	2.7	3.0	2.0									7.0	4.9
NNW	2.0	2.3	1.7	.3								5.7	4.8
VARIABLE													
CALM												14.7	
	27.0	34.3	19.3	4.0	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

300

8808

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	6.1	2.9	.3								11.0	5.5
NNE	.6	4.2	2.3	.6								7.7	6.3
NE	1.0	2.9	1.0									4.8	5.2
NNE	.3	.6	1.0									1.9	6.2
E	.3	1.6	1.3		.3							3.5	7.1
ESE	1.3	3.5	3.2	.6								8.7	6.6
SE	.3	5.5	7.7	3.9	.3							17.7	8.7
SSE		2.9	5.5	2.9	.3							11.6	9.0
S		.6	1.3	1.3								3.2	9.5
SSW			1.3	1.0	.3							2.6	11.6
SW		1.0	1.9	1.0								3.9	9.1
WSW		.6	1.9	1.6								4.2	10.5
W	1.0	.3	1.0	.6								2.9	7.1
WWW		1.0	2.6	.6								4.2	8.2
NW	.3	1.9	2.9	1.6	.3							7.1	9.3
NNW	.6	1.0	1.0	.3								2.9	6.3
VARIABLE													
CALM												1.9	
	7.4	33.9	38.7	16.5	1.6							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

310

BR06

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17731 PATUXENT RIVER, MARYLAND 73-92 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 04
CONDITION HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7		.3								1.7	5.4
NNE	1.0	.3	2.7	.7								4.7	7.0
NE	2.0	2.7	1.7	.3								6.7	5.6
ENE	1.7	3.7	1.0									6.7	4.7
E	1.7	2.0	1.7	.3								5.3	5.9
ESE	.7	1.3	1.0									2.7	5.0
SE	1.0	1.0	.7	.3								3.0	6.0
SSE	.3	.7		.3								1.3	5.0
S	2.3	1.0		.3								3.7	4.3
SSW	1.0	2.0	1.7	1.0								5.7	7.3
SW	2.0	3.3	2.0									6.3	5.0
WSW	2.0	1.0	1.7	.3								4.7	5.0
W	5.3	3.3	.7									9.3	3.5
WNW	2.7	2.3		.3								5.3	4.1
NW	4.3	4.0	1.0	1.0								10.3	4.9
NNW	1.0	3.3	1.7									6.0	5.3
VARB.													
CALM												15.0	
	30.0	32.7	17.0	5.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEAR

MAY
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	2.6									6.5	5.6
NNE	1.3	4.2	2.6	.3								8.4	5.8
NE	1.5	2.9	1.3	.3								6.1	5.2
ENE	1.0	1.6	.3									2.9	4.4
E		.6	.3	.6								1.6	8.0
ESE	1.3	2.9	3.5									7.7	6.0
SE	1.0	5.5	6.8	2.9								16.1	7.7
SSE	.6	3.5	9.0	8.7	.3							22.3	9.7
S		.3	1.3	1.6	.3							3.5	10.9
SSW		.3	2.3	1.3								3.9	9.8
SW		.3	1.0	1.0	.3							2.6	11.0
WSW			1.6		.3							1.9	10.0
W		1.3	1.3	1.0								3.5	8.9
WNW	.3	.3	.6	.3	.6							2.3	11.1
NW	.6	2.3	2.0	.6								6.5	7.0
NNW		1.0	1.0	.6	.6							3.2	10.3
VARB.													
CALM												1.0	
	9.4	29.4	38.4	19.4	2.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS SEP
STATION NAME CLASS NORTH
ALL WEATHER CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	1.0									4.0	4.6
NNE		2.3	1.0	.3								3.7	6.9
NE	.7	4.3	2.0	.3								7.3	6.0
ENE	2.7	3.0	1.7									7.3	4.7
E	1.3	2.7	2.3									6.3	5.9
ESE		.7	.3									1.0	6.0
SE		.7	1.0	.3								1.7	8.2
SSE	.7	.7		.7								2.0	7.0
S	2.0	1.0	1.0	.7								4.7	5.8
SSW	2.7	2.3	1.3									6.3	4.5
SW	.7	3.3	2.0	.7	.3							7.0	7.1
WSW	1.0	1.7	2.7									5.3	6.1
W	4.0	3.7	1.0									8.7	3.9
WNW	4.0	3.3	.7	.3								8.3	3.9
NW	2.0	1.3	3.0	1.0								7.3	6.2
NNW	1.3	3.0	2.3	.3								7.0	5.6
VARB													
CALM												12.0	
	25.0	34.7	27.3	4.7	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	1.6	1.6	.6								6.5	5.2
NNE	3.5	1.3	.3									5.2	3.1
NE	1.0	.3	.3	.3								1.9	5.7
NNE	.6	1.0	.6	.3								2.6	5.4
E	1.6	1.0	1.9									4.5	5.6
ESE	1.6	1.6	.3	.3								3.9	4.9
SE	1.9	4.8	2.3	.3								9.4	5.7
ESE	2.3	9.7	8.7	1.9								22.6	6.9
S	2.3	4.8	2.9	1.3								11.3	6.1
SSW	.3	2.3	1.6	.6								4.8	6.6
SW	1.0	1.9	1.3	.3								4.5	5.7
WSW		1.3	.6	.6								2.6	7.0
W	1.0	.3	.3									1.6	4.6
WNW	.3	1.0	1.0									2.3	6.1
NW	1.3	.3		1.0	.3							2.9	7.8
NNW	1.3	1.6	.3	.3								3.5	4.9
VARB.													
CALM												10.0	
	22.6	34.8	24.2	8.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS SEP
ALL WEATHER CLASS 10 MONTHS (L S T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	4.0	3.0	.3								9.3	5.6
NNE	1.0	5.7	2.3	.3								9.7	5.6
NE	.3	6.0	1.3	.3								8.0	5.7
ENE	.3	2.0	2.0	.3								4.7	6.3
E	1.0	5.0	1.7									8.0	5.3
ESE	0.0	3.7	1.0	.3								7.0	5.3
SE	.3	2.3	1.0	1.0								4.7	7.7
SSE	.3	1.3	1.0									2.7	5.6
S	.7	1.3	1.7	.7								4.3	7.0
SSW	.3	1.7	2.0	1.7								5.7	8.2
SW	.3	2.3	1.7	1.0								5.3	7.4
WSW	.7	2.3	2.3	.7	.3							6.7	7.3
W	1.3	1.7	1.3	.3								4.7	5.7
WNW	.3	3.0	2.7	.7								6.7	7.0
NW		3.0	2.0	1.3								6.7	7.3
NNW	.7	1.3	1.7	.3								4.0	6.9
VARBL													
CALM												2.7	
	10.3	46.7	28.7	9.3	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-82 MAY
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
22
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	.3									2.6	4.8
NNE	.6	.3	.6	.3								1.9	6.2
NE	.6	1.0	1.0									2.6	5.4
NNE	1.3	.6	.6									2.6	4.1
E	1.0	2.6	2.3									5.8	5.8
ESE	.6	.6	1.0	.3								2.6	6.4
SE	1.3	1.6	2.6									5.5	6.4
SSE	2.6	4.5	3.5	1.6								12.3	6.6
S	6.8	5.8	4.2	1.0								17.7	5.1
SSW	2.9	2.3	2.3	1.0								8.4	5.5
SW	1.3	4.5	1.9									7.7	5.6
WSW	1.9	1.9	.3	.3								4.5	5.0
W	1.6	.6	1.9									4.2	5.5
WNW	1.3	1.6	.6									3.5	5.1
NW	1.9	1.0		.3								3.2	4.1
NNW	.6	1.9	1.6	.6								4.8	6.7
VARB.													
CALM												10.0	
	27.1	32.6	24.8	5.5								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-82 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 13
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	3.7									8.0	6.3
NNE	.7	6.0	2.3									9.7	5.7
NE	1.7	3.7	1.0									6.4	5.0
ENE	.7	1.7	2.3									4.7	5.9
E	1.7	3.7	.3	.3	.3							5.4	5.9
ESE		4.3	1.7									6.7	6.0
SE	1.7	5.7	4.3	1.7								12.7	7.1
SSE	.7	4.7	2.3	2.0	.3							11.0	7.6
S		2.7	2.7	.7								5.4	7.6
SSW	.7	1.7	2.0	2.0								6.4	8.3
SW		.7	1.7	.3								2.0	8.2
WSW	.7	1.7	1.7	.7								3.7	6.9
W	1.7	1.7	1.7	.7								4.3	6.2
WNW	1.7	1.7	1.7	.7								4.7	7.0
NW	.7	1.7	1.7	1.3								5.0	7.4
NNW		0.3	2.0	.3	.3							5.7	7.3
VARBL													
CALM												.7	
	10.7	45.5	31.4	10.7	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.8	2.1	.2								6.8	5.5
NNE	1.3	2.5	1.8	.3								5.8	5.8
NE	.9	1.6	.8	.2								3.5	5.3
ENE	.7	1.2	.6	.2								2.7	5.3
E	.9	1.7	1.5	.1	.0							4.2	5.9
ESE	.9	1.9	1.4	.2								4.5	5.9
SE	1.1	3.2	3.5	1.0	.0							8.8	7.2
SSE	1.5	3.3	4.3	2.3	.1							11.5	7.7
S	2.3	2.6	2.3	.9	.0							8.1	6.1
SSW	.7	1.3	2.6	1.1	.1							5.8	7.9
SW	.7	1.6	2.2	1.2	.0							5.8	7.6
WSW	.8	1.3	1.5	.6	.0							4.1	6.9
W	1.6	1.7	1.2	.5								4.9	5.8
WNW	1.1	2.0	1.3	.3	.1							4.9	6.1
NW	1.5	1.8	1.8	1.1	.2							6.3	7.1
NNW	1.0	2.1	1.3	.5	.1							5.0	6.4
VARBL													
CALM												7.3	
	18.6	32.5	30.2	10.6	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2479

8808



2

7466432

126

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721	PATENT RIVER, MARYLAND	73-77	
STATION	STATION NAME	YEARS	DIRECTION
	ALL WEATHER		
	CLASS		
	CONDITION		
			HOURS 11 5 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	2.7									7.7	3.1
NNE		4.3	1.7	.3								5.7	3.1
NE	1.7	2.7	.7									4.7	4.7
ENE	.7	7.7	1.7	1.3		.7						6.7	7.7
E	1.7	2.7	1.7	.3								5.3	5.7
ESE		2.7	1.7	.3								4.7	5.7
SE	1.7	4.3	6.7	1.7	.3							14.7	7.7
SSE	1.7	5.7	6.7	2.7								17.7	7.4
S		7.3	2.7	1.3								5.7	4.7
SSW	.7	1.7	1.3	.3								3.7	6.7
SW	.7	1.7	.7									3.3	6.7
WSW	.3	2.7	1.7	.7								3.7	6.7
W	1.7	1.7	.7	.7								3.7	6.4
WNW	1.7	1.7	2.7	.7								4.7	6.7
NW	.7	1.7	2.7	.7								4.7	7.7
NNW	.7	1.7	.3	.3								3.7	6.6
VARBL													
CALM												2.7	
	14.7	37.3	33.3	9.7	.3	.7						110.7	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3										.7	3.0
NNE		.7										.7	6.0
NE		1.7	.7	.3								2.7	7.1
NNE	.3	1.3	.3									2.0	5.0
E	1.0	1.0	.7	.3								3.0	5.2
ESE	1.0	1.7	.3	.3	.3							3.7	6.2
SE	.3	1.3		.3								2.0	5.3
SSE	2.7	2.0	1.0	.3								6.0	4.9
S	3.7	6.0	4.7	.3								14.7	5.4
SSW	2.0	3.7	3.7	1.7								11.0	6.8
SW	1.0	4.3	6.3	1.0								12.7	7.1
WSW	.3	3.0	1.0	.3								4.7	6.3
W	3.0	3.0	1.0									7.0	4.3
WNW	5.3	1.3	1.0									7.7	3.6
NW	2.3	1.0			.7							4.3	5.4
NNW	2.0	2.3	2.3									6.7	5.3
VARS													
CALM												11.0	
	25.3	34.7	23.0	5.0	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

2

24066432

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND STATION NAME 73-80 YEARS SEP
STATION ALL WEATHER CLASS 19
STATION CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.3	.7									4.0	4.1
NNE	0.3	1.3	.7									4.3	4.2
NE	1.3	1.7	1.7	.7								5.3	6.3
ENE	.7	1.7	2.0	.7								4.3	7.0
E	.7	1.7	2.7									5.7	6.3
ESE		.7	1.7	.3								2.7	7.5
SE		1.7	1.7									2.0	6.8
SSE	4.0	4.3	1.3	.7								10.7	4.7
S	0.7	4.7	2.3	.7								11.0	4.5
SSW	2.3	1.3	1.7									4.7	4.1
SW	1.7	2.3	.3									4.0	4.6
WSW	1.7											1.0	2.3
W	1.3	2.7	.3									3.7	4.4
WNW	1.3	1.7	.7	.3								3.7	5.0
NW	.7	1.3	.7	.7								3.3	6.8
NNW	1.7	3.7	1.7	.3								6.0	4.9
VARBL													
CALM												15.7	
	29.0	32.7	17.3	4.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.3	5.9
NNE		1.0	.3	.3								1.7	7.0
NE		1.3	1.0	.3								2.7	6.6
ENE	.3	1.3	.7									2.3	5.1
E	1.0	1.3	1.3									3.7	5.5
ESE	.3	.3	.3	.3								1.3	7.5
SE			.7									.7	9.0
SSE	1.7	1.7		.3								3.7	4.3
S	2.0	2.3	1.7	.7								6.7	5.8
SSW	2.7	3.3	4.0	1.7								11.7	6.3
SW	1.3	3.0	4.3	1.7								10.4	7.1
WSW	1.3	3.7	1.7	.7								7.4	5.8
W	3.7	5.4	.7	1.0								10.7	4.7
WNW	3.3	4.3	1.0	.3								9.0	4.5
NW	1.7	2.3	.7									4.7	4.4
NNW	1.3	2.7	1.3	.3								5.7	5.4
VARBL													
CALM												14.4	
	21.4	35.5	21.1	7.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

299

SMOS



2

NAME 4132

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATIONPATUMENT RIVER, MARYLAND
STATION NAME73-22
YEARSSEP
MONTHALL WEATHER
CLASS22
HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.0									3.3	6.6
NNE	1.7	1.0	1.7	.3								4.0	6.1
NE		1.7	.3	1.0								2.7	5.8
ENE	1.7	1.0	2.7	.3								5.3	6.7
E	.7	3.0	1.0									4.3	6.0
ESE	.7	2.3	4.0									7.0	6.4
SE	.7	1.7	.7	.7								3.7	6.1
SSE	1.7	1.3	.7	.3		.7						4.3	6.5
S	.3	5.7	2.7	.3								14.0	4.7
SSW	2.7	4.0	2.0	.3								9.0	5.0
SW	3.7	3.3	2.7									9.7	4.8
WSW	1.0	2.0	1.0	.3								4.3	5.2
W	1.0	1.7	.7	.3								3.7	5.5
WNW	1.0	.7	1.0									2.7	5.6
NW	1.7	2.0	.3	.3								4.7	4.8
NNW	2.7	1.7	.7	.3	.3							5.7	5.2
VARB													
CALM												12.0	
	27.0	33.7	24.0	4.7	.3	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-92
STATION NAME YEARS
ALL WEATHER CLASS
JUN NORTH
07 MONTHS (L.S.Y.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	1.0	.3								4.0	5.1
NNE	1.0	.7	2.3	.3								4.0	6.5
NE	1.3	.7	1.3									3.3	6.2
ENE	.3	2.3	1.3									4.0	6.2
E	.7		.3									1.0	4.3
ESE	.3	1.7	1.0	.3								3.3	6.4
SE	.3	.7	.7	1.0								2.7	7.6
SSE	.3	.7	1.3									2.3	6.4
S	1.7	4.3	1.0	.7								7.7	5.3
SSW	1.0	2.3	2.7	.3								6.3	6.5
SW	2.0	2.7	6.0	2.3								13.0	7.5
WSW		4.0	4.0	1.3								9.3	7.9
W	1.0	4.0	1.7									6.7	5.6
WNW	.7	5.0	2.7		.3							8.7	6.2
NW	2.3	3.0	1.7	.3								7.3	5.4
NNW	3.0	1.0	2.7	.3								7.0	5.6
VARB.													
CALM												9.0	
	17.7	34.0	31.7	7.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

E
2

7446-102

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 STATION PATONET FIVER, MARYLAND 73-92 YEARS SEP MONTH
ALL WEATHER CLASS ALL MONTHS (LAST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	1.7	.1								4.2	5.5
NNE	1.1	2.0	1.6	.3								6.7	5.9
NE	1.0	3.3	1.3	.3								5.9	5.7
ENE	1.1	2.2	1.9	.3		.0						5.4	6.0
E	1.2	2.7	1.5	.2	.0							5.5	5.6
ESE	.6	2.2	1.3	.1								4.7	6.0
SE	.6	2.3	2.0	.8	.0							5.6	7.1
SSE	1.3	2.6	2.1	.8	.0	.0						6.7	6.5
S	2.6	3.3	1.5	.7	.1							8.2	5.4
SSW	1.7	2.3	1.7	.8								6.3	6.0
SW	1.5	2.5	1.6	.3	.0							6.0	5.7
WSW	1.0	1.7	1.4	.3	.0							4.4	5.9
W	2.3	2.1	.8	.2								5.4	4.5
WNW	1.7	1.6	1.3	.4								5.0	5.5
NW	1.4	2.3	1.6	.8								6.0	6.0
NNW	1.3	2.3	1.3	.3	.1							5.2	5.6
VARBL													
CALM												9.4	
	21.7	37.6	24.3	6.6	.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN

ALL WEATHER

10

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.3	2.3	.7								7.3	6.4
NNE	1.7	3.3	2.3	.7								8.0	6.0
NE	.7	3.3	.7									4.7	5.1
ENE	.3	1.3	.7									2.3	5.7
E	1.3	4.3	.3									6.0	4.4
ESE	.3	2.7	1.7	.3								5.0	6.5
SE	1.0	2.7	4.7	.3								8.7	6.8
SSE	.7	2.7	1.0	.3								4.7	6.1
S	.3	2.0	3.0	.3	.3							6.0	7.8
SSW	.3		4.3	.3								5.0	8.5
SW	.3	1.0	3.0	1.0								5.3	8.1
WSW	.7	1.3	5.0	2.0								9.0	8.6
W	2.7	2.0	3.7									8.3	6.0
WNW	.3	1.7	2.0									4.0	6.8
NW	.3	1.7	4.0	2.3								8.3	8.7
NNW	.7	2.0	2.3									5.0	6.2
VARB													
CALM												2.3	
	12.7	35.3	41.0	8.3	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

300

SMOS



2

NAWS 112

112

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1772. PATUXENT RIVER, MARYLAND 73-92 OCT
STATION STATION NAME YEARS NORTH
ALL WEATHER CLASS 01
CONDITION HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	3.2	.3								5.2	7.3
NNE	1.6	1.6	1.9	.3								5.5	5.7
NE	.3	1.9	.6	.3								3.2	6.0
ENE		2.3	2.3									4.8	6.7
E	1.7	.6	1.9									3.5	5.8
ESE	.7	.3	1.3	.3								2.3	7.6
SE		1.6	.3	.3								1.6	7.2
SSE	.3	.3	.6									1.3	6.8
S	1.6	2.3	2.3									6.1	5.5
SSW	3.2	2.9	1.9	1.0								9.0	5.3
SW	3.2	1.9	2.9	.6								8.7	5.6
WSW	.6	1.6	1.3	.3								3.9	6.1
W	1.3	2.9	2.6	.3	.3							7.4	6.3
WNW	.6	3.9	1.9	1.6								8.1	7.4
NW	2.9	2.9	1.9	.3								8.1	5.3
NNW	1.6	2.3	3.2	.6								7.7	5.4
VARBL													
CALM												13.5	
	19.7	29.7	30.3	6.5	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11121
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-52
YEARS

JUN
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.3	.3								6.0	6.5
NNE	1.0	3.3	1.7									6.0	5.3
NE	1.0	3.3	1.7	.3								6.3	6.0
ENE	1.0	.3	.3	.3								2.0	5.3
E	1.0	1.7		.3								3.0	4.7
ESE	1.3	4.7	1.3	.3								7.7	5.6
SE		6.3	9.7	5.7								21.7	8.5
SSE	.7	2.7	5.3	1.3								10.0	7.9
S	.3	1.0	3.3	.7								5.3	7.6
SSW		.3	2.7	1.0								4.0	9.1
SW	.3	.3	2.3	1.0								4.0	9.0
WSW	.3	1.3	2.7	1.7								6.0	8.5
W	.3	1.0	1.0	.3	.3							3.0	8.6
WNW		1.7	1.3	1.7								4.7	9.1
NW	1.0	.3	2.3	1.7								5.3	8.5
NNW	1.3	2.7	1.3	.3								5.0	8.6
VARBL													
CALM													
	10.3	33.0	39.3	17.0	.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-62 YEARS OCT
MONTH
04
HOURS (L.S.T.)

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.2	3.2	1.0								7.7	7.3
NNE	.6	1.6	1.6	1.0								4.3	7.2
NE	.6	1.3	2.6	.3								4.8	7.0
ENE	1.3	2.3	2.7									5.8	5.7
E	1.3	1.6		.3								3.2	4.9
ESE	.7	.3		.3								1.0	7.3
SE		.3	.3									.6	6.5
SSE	1.3		.7	.3								1.9	4.5
S	2.6	1.9	1.9	.6								7.1	5.5
SSW	1.9	1.6	2.6	.3								6.5	5.7
SW	.6	3.9	1.6	.3								6.5	5.8
WSW	2.3	.3	1.6	.3								4.5	5.4
W	2.6	4.5	1.3	.3	.3							9.0	5.6
WNW	1.6	1.9	3.2	.6								7.4	6.7
NW	1.6	4.2	2.3	1.3								9.4	6.5
NNW	1.7	3.5	2.6									7.4	5.4
VARBL													
CALM												12.3	
	20.3	32.6	27.4	7.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1.721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS JUN MONTH 16 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	.7									4.3	4.8
NNE	1.0	1.0	3.0	.3								5.3	5.3
NE	.7	3.3	1.0									5.0	5.1
ENE		1.0	1.0	.7								2.7	8.1
E	1.0	1.7	.7	.3								3.7	5.5
ESE	.7	1.7	.3	.3								3.0	5.3
SE		4.7	7.0	2.3								14.0	8.1
SSE	1.0	4.7	14.0	5.3								25.0	6.7
S	.3	.3	3.3	.7								4.7	8.7
SSW		.3	2.3	1.7								4.3	9.8
SW			2.0	2.3	.3							4.7	11.2
WSW		1.3	1.3	.3								3.0	7.7
W	.7	1.3	3.0									4.7	7.1
WNW	.3	1.0	.7	.7								2.7	7.1
NW	.3	1.3	3.3	1.3								6.3	9.5
NNW	.7	3.0	.7	.7								5.0	6.2
VARBL													
CALM												1.7	
	7.3	29.3	44.3	17.0	.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-72
YEARS

OCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.6	2.3	.6								6.1	6.9
NNE		1.0	1.0	.6								3.5	8.2
NE	1.0	2.9	2.3	.6								6.8	6.4
ENE	1.0	1.0	1.3	1.0	.3							5.5	7.4
E	1.0	1.3	1.6									3.9	5.9
ESE	.3	.3	.3									1.0	5.7
SE			1.0									1.0	7.3
SSE	1.0	2.3		.3								3.5	5.1
S	1.0	.3	1.0	.3								3.5	7.1
SSW	2.9	2.9	1.3	.3								7.4	4.7
SW	1.0	2.3	1.6	.6								5.5	6.1
WSW	2.9	1.9	2.3									7.1	4.5
W	2.6	4.2	1.6	.6								9.0	5.5
WNW	1.3	3.2	2.3	1.9								8.7	6.9
NW	1.9	4.2	2.6	.3								9.0	5.5
NNW	1.3	2.3	4.2	.3								8.1	6.6
VARBL													
CALM												10.3	
	19.7	33.5	28.4	7.7	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

310

SMOS



2

1000412

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSJUN
MONTHALL WEATHER
CLASS10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	.7									4.0	4.1
NNE	1.3	1.7	.3									3.3	4.2
NE	1.3	1.0										2.3	3.4
ENE	.7	1.7	1.3									3.7	5.7
E	.7	.7	1.0	.3								2.7	6.1
ESE	1.7		.7	.3								2.7	5.3
SE	2.0	1.7	1.3	.7								5.7	5.6
SSE	2.7	9.0	7.3	1.7								20.7	6.5
S	3.0	11.7	5.7									20.3	5.6
SSW	1.0	3.7	1.0	.3								6.0	6.8
SW		1.0	1.3	1.0								3.7	8.3
WSW		1.3	.7	.3								2.3	7.3
W	.7	2.3	1.0	.3								4.3	5.2
WNW	1.7	1.0	.3	.7								3.7	5.5
NW	.3	1.7	.7	.3	.3							3.3	7.1
NNW	2.0	3.0	1.0	.3								6.3	5.1
VARBL													
CALM												5.0	
	21.0	43.0	24.3	6.3	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 STATION PATUXENT RIVER, MARYLAND 73-32 YEARS
ALL WEATHER CLASS
CCT MONTH 10
ROUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	3.0	1.3								9.1	7.1
NNE	.7	4.2	2.6	1.6								8.7	7.1
NE	1.3	2.3	2.6	1.3	.3							7.8	7.5
NNE	1.0	2.3	1.3									4.5	5.7
E		1.3	1.6	.6								3.5	7.7
ESE		1.0	1.0									2.6	7.0
SE	.6	.6	1.3									2.5	5.5
SSE	1.3	1.0	.6									2.9	4.4
S	.3	1.3	1.3	1.0								3.9	9.5
SSW	1.3	1.0	1.3	1.3								5.8	6.8
SW		1.3	2.6	1.6	.3							5.9	9.3
WSW	1.0	2.9	1.3	2.3								7.4	7.5
W	1.0	2.6	4.2	.6	.3							9.7	6.8
WNW	.6	1.3	2.6	3.2								7.8	9.5
NW	.3	1.3	3.9	2.9								8.4	9.7
NNW	.6	3.6	2.3	1.6	.3							8.4	7.5
VARS													
CALM												1.0	
	12.3	31.1	35.7	19.4	1.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7	1.0	.7									2.3	5.1
NE	.7	1.0	1.0									2.7	5.9
NNE	1.0	.3	.7	.3								2.3	5.9
E	.7	1.3	2.0	.3								4.3	6.2
ESE		.7	.3	.7								1.7	8.4
SE	.7	.7	1.7	.3								3.3	6.9
SSE	1.7	3.7	3.3	.3								9.0	5.7
S	6.7	10.0	6.7									23.3	5.0
SSW	4.0	4.0	4.7	1.3								14.0	6.1
SW	3.7	2.3	2.3	1.0								9.3	5.6
WSW	.3	.7	1.0									2.0	6.7
W	2.0	3.3	.3	.3								6.0	4.6
WNW	1.0	2.7	.3	.3								4.3	5.0
NW	1.3	2.7	.3									4.3	4.2
NNW	1.0	1.0	1.3									3.3	5.8
VARS													
CALM												7.0	
	26.0	35.3	26.7	5.0								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-92
YEARS

OCT
MONTH

ALL WEATHER
CLASS

13
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	4.6	3.9	.3								10.3	6.3
NNE	.3	3.2	2.3	.3								6.1	6.6
NE		1.9	3.5	1.3								6.8	8.1
NNE	1.0	1.9	.3									3.2	4.1
E	.6	2.6	1.0									4.2	5.5
ESE	.6	3.9	1.3	.3								6.1	5.8
SE	1.0	4.5	1.3	.3								7.1	5.6
SSE	.3	1.3	3.5	1.0								6.1	8.2
S	.3	1.6	1.0	2.6								5.5	9.1
SSW		1.0	1.0	1.0								2.9	8.2
SW		.6	1.3	1.9	.3							4.2	10.8
WSW			3.5	2.6								6.1	10.1
W	.3	2.9	1.3	.6	.3							5.5	7.4
WNW	.3	1.9	2.9	2.3	.3							7.7	9.3
NW	.3	1.6	2.9	2.9								7.7	9.5
NNW	1.0	2.2	4.5	1.0	.3							9.7	7.7
VARB.													
CALM												.6	
	7.4	36.4	35.5	18.4	1.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS



2

1400 643

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSJULY
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	1.0	.2								3.8	5.5
NNE	.9	1.6	1.3	.2								4.0	5.8
NE	.7	2.0	.9	.1								3.7	5.6
ENE	.5	1.2	.3	.2								2.7	6.0
E	.9	1.5	.8	.2								3.4	5.3
ESE	.7	1.7	.9	.4	.0							3.5	6.1
SE	.5	2.3	3.2	1.3								7.3	7.6
SSE	1.4	3.4	4.2	1.2								10.2	7.0
S	2.3	4.7	3.7	.4	.0							11.1	5.8
SSW	1.4	2.2	3.2	1.0								7.8	6.9
SW	1.1	1.9	3.5	1.4	.0							7.9	7.6
WSW	.4	2.1	2.2	.8								5.5	7.5
W	1.7	2.8	1.5	.3	.0							6.3	5.5
WNW	1.6	2.3	1.2	.5	.0							5.6	5.6
NW	1.2	1.8	1.6	.8	.1							5.5	6.7
NNW	1.5	2.1	1.6	.3								5.5	5.6
VARIABLE													
CALM												6.3	
	17.7	35.0	31.4	9.2	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

2399

SMOS

E
2

240643Z

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS OCT
MONTH
16
HOURS (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	5.2	2.6	.6								11.9	5.1
NNE	.6	2.9	1.0	.6								5.2	6.3
NE		3.3	1.0	.3								3.5	6.9
ENE	1.3	.3	.3	.3								2.3	4.9
E	.3	.6	1.6	.6								3.2	7.5
ESE	1.3	2.2	.6		.3							5.7	5.8
SE	1.0	3.5	2.9	.6								8.1	6.6
SSE	1.6	3.2	6.1	1.0								11.9	7.2
S	1.0	1.9	2.3	1.3								6.5	7.2
SSW		2.3	.3	.3		.3						3.2	5.1
SW	.6		2.2	.6								4.7	8.4
WSW		1.6	1.6	.6								3.9	7.8
W	.3	1.9	1.9	.3	.6							5.2	8.1
WNW		1.9	2.3	2.3	.3							6.2	9.3
NW	1.9	1.0	2.6	2.6								8.1	8.2
NNW	1.6	1.6	3.2	1.0								7.4	6.9
VARB.													
CALM												3.7	
	15.2	33.2	33.2	13.2	1.3	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

5MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEAR

JUL
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.P.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.8
NNE	.6	1.6	.3	.3								2.9	5.8
NE	.6	.6	.3									1.6	5.0
ENE	1.3	.6										1.9	2.8
E	.6	1.6		.3								2.6	4.9
ESE	.3	.6	.3	.3								1.6	7.4
SE	.6	.6										1.3	3.3
SSE	.3	1.6	1.0	.3								2.6	6.8
S	5.8	4.8	.6	1.3								12.6	4.7
SSW	2.9	3.9	4.5	.3								11.6	5.7
SW	2.3	4.8	7.1	.3								14.5	6.2
WSW	1.9	2.3	1.3	.3								5.8	5.0
W	1.6	5.2	1.6	.3								8.7	5.2
WNW	1.3	2.9	1.0	.3								5.5	5.5
NW	2.3	1.9	.3									4.5	3.9
NNW	1.3	1.6	1.0									3.9	4.7
VARB													
CALM												17.1	
	24.5	34.8	19.4	4.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

2
1406442

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUL
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.3									2.3	4.7
NNE	1.9	1.3	.6	.6	.3							4.8	6.6
NE	.3	1.9	1.0									3.2	5.5
ENE	.6	.6										1.7	3.5
E	1.6	1.0		.3								2.9	4.4
ESE	.3	.3	.6									1.3	6.0
SE	.3		1.0		.3							1.6	8.6
SSE	.3	1.0										1.3	4.0
S	3.5	1.3	.6									5.5	3.6
SSW	1.6	1.6	2.6	1.6								7.4	7.2
SW	1.6	5.8	3.9	1.0								12.3	6.5
WSW	2.6	6.5	1.0	.6								10.6	5.0
W	6.9	4.5	1.0									12.3	3.8
WNW	5.2	3.5	1.3									10.0	4.1
NW	2.3	2.9	1.3									6.5	4.7
NNW	1.6	2.6	.3									4.5	4.2
VARM													
CALM												12.3	
	31.3	36.1	15.5	4.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS JUL MONTH 07 DAYS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.6									2.3	5.0
NNE		1.0	2.6	.3								4.9	6.8
NE	1.6	2.6	1.3									5.5	4.8
NNE	1.6	1.6										3.6	3.5
E	1.0	.6	.6	1.0								3.2	7.5
ESE			.3									.3	8.0
SE	1.0	1.0	.3									2.3	4.3
SSE	1.0	.6	.3									1.9	5.0
S	1.0	1.6	1.0									4.5	4.6
SSW	.6	1.6	1.3	1.0								4.5	7.9
SW	1.0	4.2	5.2	1.6								12.9	6.9
WSW	.3	5.2	2.9	1.0								9.4	6.4
W	2.9	6.5	2.3									11.7	4.7
WW	4.5	3.9	.6									9.1	3.9
NW	2.3	4.0	1.6	1.0								9.7	5.4
NNW	2.9	3.6	.6									7.1	4.2
VARIABLE													
CALM												7.1	
	24.6	40.8	21.7	5.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 309

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-82 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
10
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.9	1.7	.6								7.8	6.1
NNE	1.7	4.9	2.7	.3								9.1	5.8
NE	.6	3.2										3.9	4.2
NNE	1.7	1.0	.3									2.3	4.1
E	.6	1.0	1.6									3.2	5.7
ESE	1.3	4.5	1.7	.6								7.4	5.4
SE	.6	2.9	2.9	.6								7.1	7.0
SSE	1.0	1.3	1.3									3.6	5.6
S	1.3	2.9	1.7									5.2	4.6
SSW	1.7	1.3	1.7	1.3								5.5	7.8
SW		1.3	3.2	1.9								6.5	8.7
WSW	.6	1.9	3.2	.6								6.5	7.1
W	1.6	2.3	.6	.3								4.9	5.0
WNW	2.6	4.9	1.6	.3	.3							9.7	5.3
NW	1.9	3.6	2.6	1.0								9.1	6.0
NNW	1.7	1.6	1.3									3.9	5.1
VARIABLE													
CALM												4.5	
	17.5	42.4	27.5	7.8	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-92 JUL
STATION STATION NAME YEAR MONTH
ALL WEATHER CLASS 13
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	2.9	1.6	.3								7.4	4.9
NNE	1.6	5.5	1.9									9.0	5.4
NE	.3	2.3	.6									3.2	5.2
ENE	1.6	1.3										2.9	3.7
E	.6	1.6	.3	.3								2.9	5.1
ESE	1.3	5.8	2.6	.3								10.0	5.7
SE	1.0	6.5	6.1	2.9								16.5	7.4
SSE	.3	5.2	2.9	1.0								9.4	6.8
S	.3	1.3	2.3	1.9								5.8	8.6
SSW	.3	1.3	1.3	1.9								4.8	8.5
SW	.3	1.0	1.3	.3								2.9	6.8
WSW		1.3	1.9	1.9								5.2	8.9
W	1.0	2.3	1.0	.3								5.5	6.4
WNW			1.0	.6								1.6	9.4
NW	.6	2.9	2.3	.3								6.1	6.3
NNW	1.6	.6	1.3	1.0								4.5	6.1
VARIABLE													
CALM												2.3	
	13.5	41.6	29.4	13.2								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND STATION NAME 73-12 YEARS NOV NORTH 00 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	3.	1.7								7.7	7.7
NNE	.7	3.7	2.7									3.7	4.7
NE	.7	1.7	1.7									7.7	6.7
ENE	1.7	1.7	.7									7.7	4.7
E	1.7	.3	.7									7.7	3.7
ESE		.7	.3									1.7	1.3
SE		.7	.7									1.7	7.7
SSE	.7	1.7	.7									2.7	4.7
S	1.7	1.7	1.7	.7								4.7	6.1
SSW	1.7	2.7	1.7	1.3								5.7	7.7
SW	1.7	2.7	1.7	1.3								7.7	6.7
WSW	.7	2.7	3.7	1.7								1.7	7.8
W	1.7	4.7	3.7	1.3								10.7	6.4
WNW	1.7	2.7	2.7	.3								7.7	5.9
NW	3.7	4.	2.7	1.3								11.7	5.9
NNW	1.7	3.7	7.7	1.7	.3							12.7	7.5
VARB													
CALM												10.7	
	17.7	34.7	28.7	10.7	.3							100.7	5.9

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 PATUXENT RIVER, MARYLAND 73-82 JUL
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
16
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.3	1.3									5.5	4.8
NNE	2.6	4.5	1.9									9.0	4.9
NE		1.6	.6									2.3	5.3
ENE	.3	.6	1.0									1.9	5.6
E	.6	1.6	.6									2.9	5.1
ESE	.6	3.5	1.9	.3								6.5	6.2
SE	1.0	5.8	8.7	2.3	.3							18.1	7.7
SSE	1.6	3.2	9.4	3.9								18.1	8.3
S	1.0	1.0	3.2	1.0								6.1	7.4
SSW	.3	1.9	1.3	.3	.3							4.2	7.6
SW		1.6	1.3	.6								3.5	8.3
WSW		1.0	1.3	.6	.6							3.5	10.3
W		1.6	3.9	1.0								6.5	8.0
WNW		1.0	1.6	.6								3.2	8.6
NW	.6	.6	1.0									2.3	5.4
NNW	1.0	1.3	1.6	.3								4.5	6.0
VARIABLE													
CALM												1.9	
	11.9	33.2	40.6	11.0	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS JUL MONTH 19 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	1.0	.3	.6	.3							5.6	5.1
NNE	1.0	.3	1.0									2.3	4.7
NE					.3							.3	20.0
NNE	.6		.3									1.0	3.7
E	.6	2.6	.3									3.6	4.7
ESE	1.3	.3	.6									2.3	4.3
SE	1.7	2.3	1.6									5.2	5.6
SSE	1.6	8.4	3.2	1.6								14.9	6.2
S	5.5	13.3	5.2			.3						24.3	5.1
SSW	1.9	3.2	1.6	.3								7.1	5.2
SW		2.6	.3		.3							3.2	7.0
WSW	.6	1.3	1.6									3.6	5.9
W	.3	1.3	1.9	.3								3.9	6.6
WNW	.3	1.6	1.3					.3				3.6	8.5
NW	1.7	1.0	.6									2.9	4.3
NNW	2.6	1.3	.3	.3								4.5	4.1
VARIABLE													
CALM												11.7	
	22.7	40.5	20.4	3.2	1.0	.3		.3				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS



2

NWS-412

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			10
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	4.0	2.0								9.0	5.4
NNE	1.3	1.3	3.3	.3								6.4	6.2
NE	.7	2.0	.7	.7								3.7	6.5
ENE	.7	1.0	1.3	.3								3.0	7.0
E	.3	1.3	.7	.3								2.7	6.5
ESE	.7	.7	1.3									2.7	5.9
SE		2.0	.7									2.7	6.0
SSE		1.0	1.0	.3								2.3	7.3
S	1.0	1.0	2.0	.7	.3							5.0	8.3
SSW	.3		1.7	2.7								4.7	10.4
SW	.7	1.0	2.0	3.0								6.7	9.1
WSW	1.0	1.7	1.7	2.7								7.0	9.7
W	1.3	1.7	5.4	1.3	.3							10.0	7.6
WNW	.7	2.3	4.0	1.7	.3							9.0	8.7
NW	.3	1.3	2.3	3.3								7.4	9.4
NNW	.7	2.3	6.4	3.0								12.4	9.0
VARBL													
CALM												5.4	
	9.4	22.7	39.1	22.4	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-92
YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	1.7	2.0								9.3	6.7
NNE	1.7	2.7	2.0									6.3	4.8
NE	1.7	.7	1.3									3.7	5.0
ENE	.7	1.3	.3	.3								2.7	5.6
E	1.7	.7	.3	.3								2.3	4.9
ESE	1.3	2.7	1.0									5.0	4.6
SE	2.0	5.0	1.7									8.7	5.2
SSE	.7	5.0	5.0	.3								10.7	6.9
S	1.0	2.3	1.7	1.0								6.8	6.9
SSW	.3	1.0	1.7	1.0								4.0	6.3
SW	.3	1.3	2.3	1.7								5.0	6.3
WSW	.3	1.0	3.0	.3								4.7	8.0
W	.7	3.7	2.3	1.7	.3							7.7	7.5
WNW	.7	.7	1.3	2.7	.3							5.7	10.0
NW	.3	1.7	3.0	3.0								8.0	9.1
NNW	1.0	2.3	3.7	2.0								9.0	8.4
VARB.													
CALM												1.7	
	14.7	36.0	32.3	15.0	.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

300

8808

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUMENT RIVER, MARYLAND 73-82 YEARS MONTH 01 HOURS 01

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4		.6									1.0	5.3
NNE	.3	1.3	1.7									2.4	5.4
NE	.4	.6		.3								1.0	4.8
ENE	1.7	1.3	1.0									3.0	5.1
E	2.3	1.9										4.2	3.8
ESE	.4	.3	.6									1.0	5.2
SE	1.7	1.3										2.3	3.7
SSE	.4	.6	.3									1.0	5.0
S	5.9	6.1	.3	.6								12.0	4.1
SSW	3.9	5.5	1.9	.6								11.0	5.4
SW	1.7	5.5	3.9	2.3								13.0	7.0
WSW	2.4	1.3	1.6									5.0	4.6
W	4.2	2.9	1.7									9.0	3.7
WNW	2.4	2.6										5.0	3.4
NW	1.7	1.3	1.3									3.0	5.6
NNW	2.2	1.6	1.9									6.0	4.7
VARBL													
CALM												13.0	
	32.9	34.2	15.9	3.9								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19731 PATUXENT RIVER, MARYLAND 73-92 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	1.7	.3								7.3	5.4
NNE	.7	1.3	2.3									4.0	6.9
NE	.3	2.0	1.0									3.3	5.9
ENE	.3	.7	.3	.3								1.7	5.4
E	.3	.3	1.0	.7								2.3	8.1
ESE	.3		1.0									1.3	7.5
SE	1.0	2.3	1.3									4.7	5.7
SSE	1.3	2.0	.7	.3								4.3	5.1
S	.3	4.0	2.3	1.0								12.7	4.9
SSW	2.0	1.7	2.7	.7								8.0	5.8
SW	1.3	.7	1.0	.3								3.3	5.6
WSW	1.3	1.0	.3	.3								3.0	4.9
W	1.7	.7	1.7	1.0								5.0	6.6
WNW	1.0	.3	2.0	.7	.3	.3						4.7	9.1
NW	1.7	2.3	2.3	2.0								8.3	7.3
NNW	1.3	3.0	4.7	.3	.7							10.0	7.6
VARBL													
CALM												16.0	
	22.3	26.0	26.3	8.0	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

NCV
MONTH

ALL WEATHER
CLASS

22
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.7	2.7	1.3								6.7	7.3
NNE	.7	1.7	.3	.3								3.0	5.3
NE	.7	1.7	1.3	.3								4.0	6.3
ENE	.3	1.3	1.7	.7								4.0	7.5
E	.7	.3	.3									1.7	4.3
ESE		.3	1.0									1.3	7.0
SE	1.0	.7	1.3									3.0	5.7
SSE	.7	2.3	.3	.3								3.7	5.3
S	.3	4.0	2.7	1.3								10.3	6.1
SSW	1.7	2.7	3.0	.3								7.7	6.2
SW	1.0	1.0	2.7	1.7								6.3	8.1
WSW	2.7	1.3	1.0									5.0	4.2
W	1.0	1.7	1.3	1.0								5.0	6.9
WNW	1.0	2.0	3.0	1.7								7.7	7.7
NW	1.0	2.3	1.3	1.7	.3							6.7	7.8
NNW	1.7	5.0	2.0	1.0	.3							11.0	6.7
VARIABLE													
CALM												11.3	
	17.3	32.0	27.0	11.7	.7							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 PATUXENT RIVER, MARYLAND STATION NAME YEARS 73-82 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 04
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.7	.6	1.0								1.6	9.7
NNE	.5	1.6	.6									2.9	5.4
NE	.6	1.6	1.3									3.5	5.8
ENE	.6	1.6	.6	.3								3.2	5.5
E	1.0	1.0	.6									2.6	4.8
ESE	.7	.6	.3	.3								1.6	6.8
SE	.6	.3										1.0	2.7
SSE	.3											.7	3.0
S	4.5	1.9	.6									7.1	3.7
SSW	2.9	3.2	2.3	.6								9.0	5.4
SW	2.3	5.2	5.2	.3								12.0	6.0
WSW	1.6	3.5	1.6	.6								7.4	6.0
W	5.5	4.2	.6									10.3	3.6
WNW	2.5	4.2										6.5	4.0
NW	2.9	1.9	1.0									5.5	4.1
NNW	4.5	2.6	.6									7.7	3.9
VARBL													
CALM												15.5	
	31.0	33.0	16.1	3.2								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

BMOS

E
2

7406412

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17701 PATUMENT RIVER, MARYLAND STATION NAME YEARS 73-72 NOV MONTH
ALL WEATHER CLASS ALL HOURS (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	3.1	1.0								8.6	6.9
NNE	.9	1.9	2.2	.1								5.0	6.1
NE	.5	1.7	1.5	.1								3.9	6.2
ENE	.5	1.1	.9	.3								2.7	6.3
E	.7	1.0	.5	.2								2.4	5.4
ESE	.5	1.2	.4									2.4	5.4
SE	.0	1.8	1.2									3.4	5.5
SSE	.4	1.9	1.5	.5								4.2	6.6
S	1.9	2.0	2.7	.9	.0							6.7	6.5
SSW	1.1	1.8	2.1	1.2								6.1	7.2
SW	.0	1.2	2.1	1.6		.7						5.5	8.1
WSW	1.2	1.5	2.7	1.0	.1							5.8	7.4
W	1.7	2.7	2.7	1.3	.1							8.1	7.0
WNW	1.0	1.2	2.7	1.5	.2	.7						7.7	6.1
NW	1.5	2.2	2.6	2.2	.1	.7						8.3	7.9
NNW	1.7	3.4	3.9	1.8	.2							10.6	7.7
VARBL													
CALM												8.5	
	15.7	20.1	31.6	13.7	.7	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2309

SMOS

2

1406-4432

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS AUG MONTH 07 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	.3									2.3	3.9
NNE	1.7	1.3	1.3									3.5	5.3
NE	.7	2.3	1.0	.3								4.5	6.3
ENE	1.7	4.2	1.3									6.5	5.2
E	.7	1.6	.6									2.5	5.3
ESE	.7	.6	.3									1.3	5.3
SE		.3	.3									.5	7.0
SSE	.6	.3	.3									1.3	4.0
S	.3	2.6	.6	.3								5.2	4.6
SSW	2.0	2.3	3.2	1.0								9.4	6.3
SW	.6	4.5	3.2	.6								9.0	6.5
WSW	1.0	3.2	3.5									8.7	5.7
W	4.5	7.4	.6									12.5	4.2
WNW	3.5	3.9										7.4	3.6
NW	1.7	4.5	1.6									8.1	4.8
NNW	.3	3.5	2.6									8.4	5.3
VARBL													
CALM												7.7	
	24.2	43.2	21.0	2.3								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1772	PATUXENT RIVER, MARYLAND	73-82	DEC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			01
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.2	1.9	1.0	.3							10.0	6.1
NNE	.6	.6	1.9									3.2	6.7
NE	.7	.6	1.7	.6								2.6	7.9
ENE	1.3	1.0	.6									3.9	4.4
E	1.0	.3	.6									1.9	4.3
ESE	.6	.3	.3									1.3	4.3
SE	.7	.6	.6									1.6	6.4
SSE	1.3	.6	.6	.3								2.9	6.1
S	1.7	2.3	1.9	1.0								6.6	7.2
SSW	1.6	1.6	1.3	1.3								5.8	6.7
SW	1.3	2.3	3.5	1.6	.3							9.0	7.9
WSW	.3	.6	1.9	1.9	.3							5.2	10.1
W	1.0	2.3	1.6	1.0								5.3	6.4
WNW	.6	2.6	2.6	2.6	.3							8.7	9.1
NW	.6	4.6	2.9	1.3	1.0							10.3	8.2
NNW	1.0	2.0	2.9	1.0								7.7	7.1
VARBL													
CALM												13.0	
	16.8	27.4	26.8	13.5	2.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

SURFACE WINDS

1721	PATUXENT RIVER, MARYLAND	73-82	AUG
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			10
CLASS			HOURS (L E T)
CONDITION			

[illegible]



2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 STATION NAME PATUENT RIVER, MARYLAND YEARS 73-92 DEC 37
STATION 1721 STATION NAME PATUENT RIVER, MARYLAND YEARS 73-92 DEC 37
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	3.2	1.0	.3							8.4	7.3
NNE	.3	2.3	.6	1.0								4.2	7.2
NE	.6	2.6		.3								3.6	5.5
ENE	.6	2.9	.3									3.9	4.4
E	1.0	1.6	.3		.6							3.6	7.2
ESE	1.0	.6										1.6	3.6
SE													
SSE	1.0	1.3	1.3	.6								4.2	6.5
S	2.6	1.6	1.0	.3								5.6	4.7
SSW	1.6	1.3	2.6	1.6	.3							7.4	8.2
SW	1.0	2.3	1.6	1.9								6.8	7.5
WSW	1.3	1.3	1.3	.3								4.2	5.8
W	3.9	1.6	1.3	.6								7.4	4.7
WNW	.7	1.6	2.3	1.9	1.0							7.1	10.1
NW	.6	2.6	2.3	2.3	.3							8.4	8.5
NNW	1.6	5.2	3.2	.6		.7						11.0	6.6
VARBL													
CALM												12.6	
	12.1	31.4	21.4	12.6	2.6	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-82 AUG 13
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.2	.3									6.5	4.6
NNE	1.0	4.5	1.0	.3								8.7	5.5
NE	1.0	3.2	1.0									5.9	4.8
NNE	2.2	2.3	.6		.3							6.5	5.0
E	.5	3.5	.6	.3								5.2	5.3
ESE	1.0	2.6	1.0	.6								5.7	6.0
SE		6.5	6.5	1.9								14.2	7.8
SSE	1.0	1.0	3.2	1.6								7.7	7.9
S		1.3	3.2									4.5	7.8
SSW		1.6	3.2	1.0								5.8	8.2
SW			2.3	1.3								3.5	10.0
WSW	.3	1.6	1.3	1.3								4.5	9.2
W	1.0	1.9	1.6									5.5	5.5
WNW	1.0	3.2	2.6									6.8	6.0
NW		1.3	.6	1.0								2.0	8.4
NNW	1.0	.6	1.6									3.5	5.6
VARS													
CALM												2.5	
	15.9	40.3	31.6	9.4	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

8805

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1771 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS DEC
MONTH
10
HOURS (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	5.2	.6								7.4	8.1
NNE	.6	3.2	3.6	.3								7.7	8.4
NE		1.0	.3									2.3	5.4
ENE	1.3	1.6	1.3									4.2	5.4
E	1.7	1.6	1.7			.7						3.9	6.3
ESE	1.3	1.9	.3	.3								3.7	4.5
SE	.6	1.3	1.7	.3								3.2	5.9
SSE		.5	1.3	.3								2.3	3.6
S	1.7	1.5	2.3	.3								5.2	6.7
SSW	.6	1.0	1.6	.6	.6	.7						4.2	9.5
SW	1.7	1.6	2.9	3.9								9.4	9.5
WSW	.3	1.3	2.6	2.6								6.2	7.1
W	1.7	.6	2.6	.3								4.5	7.1
WNW	.6	2.6	1.3	1.6	.6	.7						7.1	9.9
NW	1.7	2.6	1.3	5.8	.3							11.6	13.0
NNW	1.3	2.3	3.6	3.5	.3	.7						11.6	9.4
VARBL													
CALM												4.4	
	12.3	25.1	32.7	20.6	1.9	1.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS AUG MONTH 16

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.2	1.6									7.4	5.0
NNE	1.3	4.5	1.6									7.4	5.2
NE	1.7	1.3	.3									2.6	4.5
ENE	1.0	1.6	.6									3.2	4.7
E	2.6	2.6	.6	.3								6.1	4.4
ESE	1.3	3.5	.6	.6								6.1	5.4
SE	1.7	7.7	5.2	2.9								16.3	7.3
SSE	.3	4.9	5.9	3.2								14.2	8.4
S	.3	3.5	1.6	1.0								6.8	6.8
SSW	.3	1.7	2.3	.6								4.2	7.5
SW		1.6	2.6									4.2	6.7
WSW		1.9	1.6	.3								3.2	6.8
W	.6	1.6	1.9									4.2	6.3
WNW	.5	1.2	1.3	.6								3.5	7.5
NW	.6	2.6	1.6									4.8	6.1
NNW	2.6	1.6										4.2	3.5
VARBL													
CALM												1.0	
	15.5	45.2	28.7	9.7								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17721 STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-82 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	2.6	1.6								7.1	7.6
NNE	1.3	3.0	2.9									3.1	5.0
NE	.7	3.2	.6									4.2	4.9
ENE	1.3	1.3										2.6	3.3
E	1.0	1.0	.6			.7						2.9	6.9
ESE	.7	2.9	1.0									4.2	5.8
SE	.6	1.3	2.9	.3								5.2	7.0
SSE	1.0	1.3	1.3	1.0								4.5	6.7
S		2.6	2.3	1.0								5.8	7.9
SSW	.7	1.9	1.9	1.9	.6							6.9	9.0
SW		.6	1.9	2.9	.6							5.1	11.8
WSW	.6	.6	2.2	2.3								6.0	9.5
W	1.0	1.6	2.3	1.0	.3							6.1	7.9
WNW		1.4	1.7	2.9	.3	.3						6.5	11.2
NW	1.0	1.0	4.5	6.8	.6	.7						14.2	10.8
NNW	.3	1.9	2.9	1.9	.3							7.4	9.3
VARBL													
CALM												1.9	
	9.7	29.7	32.3	23.5	2.9	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

225

[illegible]



2

11558-4432

1226

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	PATIENT RIVER, MARYLAND	72-92	YEARS	200
		ALL WEATHER		MONTH
		CLASS		10
		CONDITION		HOURS (LST)

E
2

7086-112

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	PATIENT RIVER, MARYLAND	73-92	DEC
	STATION NAME	YEARS	NORTH
	ALL WEATHER		22
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.0								6.5	5.1
NNE	.7	3.2	.4	.3								4.5	6.4
NE	1.0	1.0	1.3	.3								3.4	6.3
ENE	2.3	.6	1.7									3.9	4.3
E	1.0	1.3	.3	.3								2.0	4.9
ESE	.7	.6										1.0	3.7
SE	1.0		1.0									2.3	5.3
SSE	1.0	1.0	1.0	.3								3.0	5.4
S	1.0	2.0	1.0	1.0								7.0	6.2
SSW	1.0	2.3	3.6	.6								7.8	6.7
SW	2.3	1.3	2.3	1.0	.3							6.1	7.7
WSW	1.0	.4	1.0	.3	.3							5.0	5.1
W	1.0	1.0	1.3	.3								3.0	5.8
WNW	1.0	1.0	.6	2.0	.6							6.5	9.9
NW	1.0	2.3	1.0	2.0	.3							5.4	7.9
NNW	1.0	3.2	5.0	1.0								11.7	7.1
VARBL													
CALM												12.3	
	22.7	24.6	25.6	13.3	1.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	.8	.1								4.5	4.9
NNE	1.3	2.4	.9	.1								4.7	5.0
NE	.9	1.5	.9	.1								3.3	5.4
NNE	1.2	1.8	1.0	.1	.0							4.1	5.3
E	1.1	2.2	.8	.2								4.2	5.1
ESE	.7	1.5	.6	.2								3.1	5.5
SE	.5	2.8	1.9	.8								6.1	6.9
SSE	.9	1.9	1.5	.6								5.0	6.7
S	4.1	4.9	2.1	.3								11.5	4.8
SSW	1.9	3.1	2.6	.6								8.3	6.0
SW	1.2	3.5	2.9	.9								8.4	6.6
WSW	1.3	2.0	1.5	.6								5.4	6.2
W	2.7	2.9	1.4	.0								7.0	4.6
WNW	2.0	2.5	.6	.1								5.2	4.4
NW	1.4	2.1	1.7	.1								4.7	5.1
NNW	2.7	1.9	1.2	.1								5.9	4.6
VARB.													
CALM												8.8	
	25.2	39.1	21.9	5.0	.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

2480

8808

2

7406142

1226

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND YEARS 73-82 DEC
STATION NAME CLASS NORTH
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.7	1.0	.1							8.1	6.6
NNE	.0	2.3	2.7	.4								5.6	6.4
NE	.7	1.0	.7	.3								3.3	5.9
ENE	1.2	1.4	.4	.1								3.1	4.5
E	1.1	1.0	.6	.1	.1	.1	.0					3.0	6.0
ESE	.0	1.0	.7	.1								2.7	4.8
SE	.0	.9	1.0	.2	.0							2.7	6.2
SSE	1.0	1.0	1.7	.6								4.3	6.5
S	1.7	2.0	1.0	.6								6.7	6.0
SSW	1.1	1.0	1.0	1.4	.2	.1						6.2	7.9
SW	.7	1.4	2.3	2.0	.2							6.0	8.6
WSW	.7	1.1	2.0	1.3	.1							5.4	7.8
W	1.4	1.0	1.0	.6	.1							5.8	6.3
WNW	.7	1.0	1.0	2.4	.5	.1						7.0	10.0
NW	1.0	2.2	2.7	3.5	.5	.1						9.6	9.4
NNW	1.0	3.0	3.4	1.7	.2	.1						10.3	7.5
VARBL													
CALM												9.7	
	17.4	8.1	26.2	16.0	2.0	.4	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2477

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	.7									1.0	7.7
NNE	.7	1.3	2.0	.7								4.7	7.7
NE	1.7	3.7	1.7									6.3	5.5
ENE	.7	2.0	1.3									4.0	5.2
E	1.7	1.7	1.0	.3								4.7	4.9
ESE	.7	1.7	.3									2.7	5.0
SE	.7	2.0	.3	.3								3.0	5.8
SSE	1.0	2.0	.7	.3								4.0	5.3
S	3.3	2.3		.7	.7							7.0	5.5
SSW	3.3	4.0	2.0	.7								10.0	5.3
SW	2.7	3.7	3.0	.3								9.0	5.6
WSW	2.0	2.7	1.7									6.3	4.9
W	3.3	2.0	.7									6.0	3.7
WNW	2.3	.3	1.0	.3								4.0	4.8
NW	2.7	3.0	2.0									7.0	4.9
NNW	2.0	2.3	1.7	.3								5.7	4.8
VARIABLE													
CALM												14.7	
	27.0	34.3	19.3	4.0	.7							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

300

8805

E
2

74064432

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1772: PATUXENT RIVER, MARYLAND 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

ALL

ALL

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.1	.6	.5	.0						6.5	6.3
NNE	.9	2.2	1.5	.3	.0							5.2	6.1
NE	.7	1.8	1.7	.2	.0		.0					3.8	5.9
ENE	.8	1.3	.6	.2	.0	.0						3.1	5.6
E	.0	1.6	.6	.2	.0	.0	.0					3.5	5.6
ESE	.6	1.5	.8	.1	.0	.0						3.1	5.7
SE	.3	2.1	2.1	.6	.0	.0						5.7	6.8
SSE	1.0	2.4	2.4	1.0	.0	.0						6.0	7.1
S	0.1	3.0	2.0	.7	.0	.0						7.8	6.0
SSW	1.2	1.8	2.0	1.1	.1	.0						6.1	7.2
SW	.9	1.8	2.2	1.3	.1	.0	.0					6.3	7.7
WSW	.0	1.4	1.7	.8	.1	.0						4.9	7.5
W	1.0	2.2	1.6	.7	.1	.0	.0					6.2	6.5
WNW	1.3	1.0	1.7	1.3	.3	.1	.0	.0				6.5	7.8
NW	1.7	2.1	2.2	2.0	.3	.0	.0					7.9	8.2
NNW	1.5	2.6	2.7	1.1	.1	.0	.0					8.0	7.1
VARBL													
CALM												8.4	
	17.8	32.1	27.8	12.4	1.3	.0	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 29197

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17731 PATUXENT RIVER, MARYLAND 73-92 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 04
CONDITION HOURS (L S T)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7		.3								1.7	5.4
NNE	1.0	.3	2.7	.7								4.7	7.0
NE	2.0	2.7	1.7	.3								6.7	5.6
ENE	1.7	3.7	1.0									6.7	4.7
E	1.7	2.0	1.7	.3								5.3	5.9
ESE	.7	1.3	1.0									2.7	5.0
SE	1.0	1.0	.7	.3								3.0	6.0
SSE	.3	.7		.3								1.3	5.0
S	2.3	1.0		.3								3.7	4.3
SSW	1.0	2.0	1.7	1.0								5.7	7.3
SW	2.0	3.3	2.0									6.3	5.0
WSW	2.0	1.0	1.7	.3								4.7	5.0
W	5.3	3.3	.7									9.3	3.5
WNW	2.7	2.3		.3								5.3	4.1
NW	4.3	4.0	1.0	1.0								10.3	4.9
NNW	1.0	3.3	1.7									6.0	5.3
VARB.													
CALM												15.0	
	30.0	32.7	17.0	5.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



2

14484437

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701
STATIONPATMAENT RIVER, MARYLAND
STATION NAME73-82
YEARSALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.7	4.3	1.3	.0							11.5	6.6
NNE	1.7	3.9	4.2	1.1	.0							10.9	6.7
NE	1.3	2.2	2.2	.8	.0		.0					7.3	6.6
ENE	1.1	2.3	2.2	.7	.1							6.5	5.7
E	1.0	2.2	1.0	.7	.2	.0	.0					6.5	6.8
ESE	.8	2.1	1.4	.3	.0	.0						4.7	6.2
SE	.0	2.0	2.4	.6	.1	.0						6.1	7.0
SSE	.8	1.8	1.6	1.2	.1	.0						5.3	7.8
S	1.0	1.9	1.2	.8	.2	.0						5.2	7.2
SSW	.6	1.4	1.3	.8								4.1	7.2
SW	.6	1.0	1.0	.6	.1							3.3	7.4
WSW	.0	.6	1.0	.3	.1	.0						2.6	7.3
W	1.3	1.0	1.0	.2	.1							4.5	5.5
WNW	1.1	1.3	.6	.2	.0			.0				3.2	5.5
NW	1.2	1.3	1.5	.6	.1	.0						4.3	7.0
NNW	1.2	1.0	1.0	.2								5.1	5.9
VARBL													
CALM												8.1	
	17.4	32.6	29.7	10.4	1.3	.2	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

3079

SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-721 STATION PATUXENT RIVER, MARYLAND 73-82 YEARS SEP
STATION NAME CLASS NORTH
ALL WEATHER CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	1.0									4.0	4.6
NNE		2.3	1.0	.3								3.7	6.9
NE	.7	4.3	2.0	.3								7.3	6.0
ENE	2.7	3.0	1.7									7.3	4.7
E	1.3	2.7	2.3									6.3	5.9
ESE		.7	.3									1.0	6.0
SE		.7	1.0	.3								1.7	8.2
SSE	.7	.7		.7								2.0	7.0
S	2.0	1.0	1.0	.7								4.7	5.8
SSW	2.7	2.3	1.3									6.3	4.5
SW	.7	3.3	2.0	.7	.3							7.0	7.1
WSW	1.0	1.7	2.7									5.3	6.1
W	4.0	3.7	1.0									8.7	3.9
WNW	4.0	3.3	.7	.3								8.3	3.9
NW	2.0	1.3	3.0	1.0								7.3	6.2
NNW	1.3	3.0	2.3	.3								7.0	5.6
VARB													
CALM												12.0	
	25.0	34.7	27.3	4.7	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS SEP
ALL WEATHER CLASS 10 MONTH
CONDITION HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	4.0	3.0	.3								9.3	5.6
NNE	1.0	5.0	2.0	.3								9.7	5.6
NE	.3	6.0	1.0	.3								8.0	5.7
ENE	.3	2.0	2.0	.3								4.7	6.3
E	1.0	5.0	1.0									8.0	5.3
ESE	0.0	3.0	1.0	.3								7.0	5.3
SE	.3	2.0	1.0	1.0								4.7	7.7
SSE	.3	1.0	1.0									2.7	5.6
S	.7	1.0	1.0	.7								4.3	7.0
SSW	.3	1.0	2.0	1.0								5.7	8.2
SW	.3	2.0	1.0	1.0								5.3	7.4
WSW	.7	2.0	2.0	.7	.3							6.7	7.3
W	1.0	1.0	1.0	.3								4.7	5.7
WNW	.3	3.0	2.0	.7								6.7	7.0
NW		3.0	2.0	1.0								6.7	7.3
NNW	.7	1.0	1.0	.3								4.0	6.9
VARBL													
CALM												2.7	
	10.3	46.7	28.7	9.3	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 PATUXENT RIVER, MARYLAND STATION NAME 73-92 YEARS SEP MONTH 13 HOURS (L S T)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	3.7									8.0	6.3
NNE	.7	6.0	2.3									9.7	5.7
NE	1.7	3.7	1.0									6.4	5.0
ENE	.7	1.7	2.3									4.7	5.9
E	1.7	3.7	.3	.3	.3							5.4	5.9
ESE		4.3	1.7									6.7	6.0
SE	1.7	5.7	4.3	1.7								12.7	7.1
SSE	.7	4.7	2.3	2.0	.3							11.0	7.6
S		2.7	2.7	.7								5.4	7.6
SSW	.7	1.7	2.0	2.0								6.4	8.3
SW		.7	1.7	.3								2.0	8.2
WSW	.7	1.7	1.7	.7								3.7	6.9
W	1.7	1.7	1.7	.7								4.3	6.2
WNW	1.7	1.7	1.7	.7								4.7	7.0
NW	.7	1.7	1.7	1.3								5.0	7.4
NNW		0.3	2.0	.3	.3							5.7	7.3
VARBL													
CALM												.7	
	10.7	45.5	31.4	10.7	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.



2

NAME 4132

735

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721
STATIONPATUMENT RIVER, MARYLAND
STATION NAME73-22
YEARSSEP
MONTH22
HOURS (L S Y)ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.0									3.3	6.6
NNE	1.7	1.0	1.7	.3								4.0	6.1
NE		1.7	.3	1.0								2.7	5.8
ENE	1.7	1.0	2.7	.3								5.3	6.7
E	.7	3.0	1.0									4.3	6.0
ESE	.7	2.3	4.0									7.0	6.4
SE	.7	1.7	.7	.7								3.7	6.1
SSE	1.7	1.3	.7	.3		.7						4.3	6.5
S	.3	5.7	2.7	.3								14.0	4.7
SSW	2.7	4.0	2.0	.3								9.0	5.0
SW	3.7	3.3	2.7									9.7	4.8
WSW	1.0	2.0	1.0	.3								4.3	5.2
W	1.0	1.7	.7	.3								3.7	5.5
WNW	1.0	.7	1.0									2.7	5.6
NW	1.7	2.0	.3	.3								4.7	4.8
NNW	2.7	1.7	.7	.3	.3							5.7	5.2
VARB													
CALM												12.0	
	27.0	33.7	24.0	4.7	.3	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

2
7225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-90
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	.3	50.7	51.1	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.8	51.3	51.5	51.8	51.8
IV 30000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 18000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 16000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 14000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 12000	.3	55.3	56.0	56.0	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0
IV 10000	.3	58.9	59.9	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8
IV 9000	.3	59.6	60.5	60.5	60.8	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5
IV 8000	.3	60.0	60.8	60.8	61.2	61.5	61.5	61.5	61.5	61.5	61.8	61.8	61.8	61.8	61.8
IV 7000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 6000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 5000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 4500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 4000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 3500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 3000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 2500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 2000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1800	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1200	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 900	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 800	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 700	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 600	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 400	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 300	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 200	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 100	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 0	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5

TOTAL NUMBER OF OBSERVATIONS

279

DIPNAVOCEANMET SMOS

E
2

7446-1432

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 STATION PATONET FIVER, MARYLAND 73-92 YEARS SEP MONTH
ALL WEATHER CLASS ALL MONTHS (LAST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	1.7	.1								4.2	5.5
NNE	1.1	2.0	1.6	.3								6.7	5.9
NE	1.0	3.3	1.3	.3								5.9	5.7
ENE	1.1	2.2	1.9	.3		.0						5.4	6.0
E	1.2	2.7	1.5	.2	.0							5.5	5.6
ESE	.6	2.2	1.3	.1								4.0	6.0
SE	.6	2.3	2.0	.8	.0							5.6	7.1
SSE	1.3	2.6	2.1	.8	.0	.0						6.7	6.5
S	2.6	3.3	1.5	.7	.1							8.2	5.4
SSW	1.7	2.3	1.7	.8								6.3	6.0
SW	1.5	2.5	1.6	.3	.0							6.0	5.7
WSW	1.0	1.7	1.4	.3	.0							4.4	5.9
W	2.3	2.1	.8	.2								5.4	4.5
WNW	1.7	1.6	1.3	.4								5.0	5.5
NW	1.4	2.3	1.6	.8								6.0	6.0
NNW	1.3	2.3	1.3	.3	.1							5.2	5.6
VARBL													
CALM												9.4	
	21.7	37.6	24.3	6.6	.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2399

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
10721STATION NAME
PATIENT RIVER, MARYLANDYEARS
70-81MONTH
JANPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS (L & T)
74

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	55.7	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
18000	55.7	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
16000	55.7	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
14000	55.7	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
12000	55.7	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
10000	59.6	60.2	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
9000	60.2	60.8	61.2	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
8000	66.3	67.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
7000	68.6	69.3	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
6000	68.6	69.3	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
5000	69.6	70.2	70.9	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
4500	71.5	72.5	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
4000	72.5	73.8	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
3500	73.1	74.4	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
3000	74.1	75.7	77.7	79.0	79.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2500	75.1	77.0	79.0	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2000	76.1	78.0	79.9	81.2	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
1800	76.1	78.0	79.9	81.2	81.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
1500	76.4	78.3	80.9	82.2	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
1200	76.7	78.6	81.6	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1000	77.4	79.6	83.5	85.4	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
900	77.4	79.6	83.5	85.4	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
800	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
700	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
600	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
500	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
400	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
300	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
200	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
100	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
0	77.7	80.3	84.5	86.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7

TOTAL NUMBER OF OBSERVATIONS

379

DIRNAVOCEANMET SMOS



2

NAWS 112

112

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1772	PATUXENT RIVER, MARYLAND	73-92	OCT
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			01
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	3.2	.3								5.2	7.3
NNE	1.6	1.6	1.9	.3								5.5	5.7
NE	.3	1.9	.6	.3								3.2	6.0
ENE		2.3	2.3									4.8	6.7
E	1.7	.6	1.9									3.5	5.8
ESE	.7	.3	1.3	.3								2.3	7.6
SE		1.6	.3	.3								1.6	7.2
SSE	.3	.3	.6									1.3	6.8
S	1.6	2.3	2.3									6.1	5.5
SSW	3.2	2.9	1.9	1.0								9.0	5.3
SW	3.2	1.9	2.9	.6								8.7	5.6
WSW	.6	1.6	1.3	.3								3.9	6.1
W	1.3	2.9	2.6	.3	.3							7.4	6.3
WNW	.6	3.9	1.9	1.6								8.1	7.4
NW	2.9	2.9	1.9	.3								8.1	5.3
NNW	1.6	2.3	3.2	.6								7.7	5.4
VARBL													
CALM												13.5	
	19.7	29.7	30.3	6.5	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1 731

PATENT RIVER, MARYLAND

STATION NAME

73-72

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	40.1	44.5	44.5	44.8	44.3	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 18000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 16000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 14000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 12000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 10000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 9000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 8000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 7000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 6000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 5000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 4500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 4000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 3500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 3000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 2500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 2000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1800	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1200	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 900	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 800	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 700	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 600	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 400	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 300	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 200	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 100	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 0	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

312

DIPNAVOCEANMET SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-62 YEARS OCT
MONTH
04
HOURS (L.S.T.)

ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.2	3.2	1.0								7.7	7.3
NNE	.6	1.6	1.6	1.0								4.3	7.2
NE	.6	1.3	2.6	.3								4.8	7.0
ENE	1.3	2.3	2.7									5.8	5.7
E	1.3	1.6		.3								3.2	4.9
ESE	.7	.3		.3								1.0	7.3
SE		.3	.3									.6	6.5
SSE	1.3		.7	.3								1.9	4.5
S	2.6	1.9	1.9	.6								7.1	5.5
SSW	1.9	1.6	2.6	.3								6.5	5.7
SW	.6	3.9	1.6	.3								6.5	5.8
WSW	2.3	.3	1.6	.3								4.5	5.4
W	2.6	4.5	1.3	.3	.3							9.0	5.6
WNW	1.6	1.9	3.2	.6								7.4	6.7
NW	1.6	4.2	2.3	1.3								9.4	6.5
NNW	1.7	3.5	2.6									7.4	5.4
VARBL													
CALM												12.3	
	20.3	32.6	27.4	7.1	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUMENT RIVER, MARYLAND

73-11

YEARS

JAN

MONTH

13

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	.7	41.6	43.0	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	.7	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 18000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 16000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 14000	.3	49.7	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 12000	.3	50.0	52.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 10000	.3	52.6	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	.3	53.2	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 8000	.3	57.7	61.7	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	.3	59.7	62.3	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000	.3	59.7	62.9	64.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 5000	.3	61.6	64.8	66.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	.7	65.2	68.4	70.7	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	.7	68.1	71.3	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	.7	66.1	71.6	74.5	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	.7	69.7	73.2	76.1	78.1	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	.7	70.0	73.6	76.5	78.4	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2000	.7	70.7	74.2	77.1	79.0	79.4	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3
IV 1800	.7	71.0	74.5	77.4	79.4	79.7	81.0	81.3	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	.7	71.0	74.8	77.7	80.7	81.0	81.9	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	.7	71.0	75.5	78.4	81.0	81.6	82.9	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 1000	.7	71.0	75.9	78.3	81.6	82.9	83.6	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 900	.7	71.9	75.9	80.7	84.5	85.2	86.8	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4
IV 800	.7	71.9	75.9	80.7	84.5	85.5	87.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	.7	72.3	76.5	81.6	85.1	87.1	89.7	90.3	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	.7	72.6	76.9	81.9	85.6	87.7	89.4	91.0	91.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	.7	72.9	77.4	83.2	86.1	88.4	91.3	92.9	92.9	93.6	94.2	94.2	94.5	94.5	94.5	94.5
IV 400	.7	72.9	77.4	83.2	86.1	88.4	91.6	93.2	93.2	94.2	94.8	94.8	95.2	95.2	95.2	95.2
IV 300	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	95.2	95.8	95.8	96.5	96.5	96.5	96.5
IV 200	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	95.8	96.8	96.8	98.4	98.4	98.4	98.4
IV 100	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.0	99.0
IV 0	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-72
YEARS

OCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.6	2.3	.6								6.1	6.9
NNE		1.0	1.0	.6								3.5	8.2
NE	1.0	2.9	2.3	.6								6.8	6.4
ENE	1.0	1.0	1.3	1.0	.3							5.5	7.4
E	1.0	1.3	1.6									3.9	5.9
ESE	.3	.3	.3									1.0	5.7
SE			1.0									1.0	7.3
SSE	1.0	2.3		.3								3.5	5.1
S	1.0	.3	1.0	.3								3.5	7.1
SSW	2.9	2.9	1.3	.3								7.4	4.7
SW	1.0	2.3	1.6	.6								5.5	6.1
WSW	2.9	1.9	2.3									7.1	4.5
W	2.6	4.2	1.6	.6								9.0	5.5
WNW	1.3	3.2	2.3	1.9								8.7	6.9
NW	1.9	4.2	2.6	.3								9.0	5.5
NNW	1.3	2.3	4.2	.3								8.1	6.6
VARBL													
CALM												10.3	
	19.7	33.5	28.4	7.7	.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-01

YEARS

JAN

MONTH

17

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	.7	41.7	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	.7	47.9	48.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 18000	.7	48.5	48.8	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	.7	48.5	49.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	.7	48.8	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	.7	49.2	50.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000	1.0	54.7	56.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 9000	1.0	55.2	57.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	1.0	60.7	63.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 7000	1.1	64.1	67.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	1.1	64.1	67.7	68.6	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	1.1	65.7	68.6	71.6	71.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4500	1.1	66.3	68.9	72.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	1.7	67.7	72.5	75.1	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	1.7	69.5	73.1	75.7	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	1.7	73.1	76.7	79.3	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	1.7	74.7	77.6	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2000	1.7	75.4	78.6	82.5	83.5	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	1.7	75.7	78.9	82.9	83.8	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500	1.7	76.4	81.6	84.8	85.2	86.1	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	1.7	77.7	82.5	85.8	86.7	87.1	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	1.7	77.4	82.9	86.1	87.1	87.4	87.4	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	1.0	77.4	82.9	86.1	87.1	87.4	87.4	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	1.7	77.4	82.9	86.4	87.7	88.0	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 700	1.7	77.4	83.2	86.7	87.7	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 600	1.7	77.4	83.2	86.7	87.7	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 500	1.7	77.4	83.2	86.7	87.7	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 400	1.7	77.4	83.5	87.1	88.0	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 300	1.7	77.4	83.5	87.1	88.0	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 200	1.7	77.4	83.5	87.1	88.0	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 100	1.7	77.4	83.5	87.1	88.0	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 0	1.7	77.4	83.5	87.1	88.0	88.4	88.4	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

E
2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 STATION PATUXENT RIVER, MARYLAND 73-32 YEARS
ALL WEATHER CLASS
CCT MONTH 10
ROUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	3.0	1.3								9.1	7.1
NNE	.7	4.2	2.6	1.6								8.7	7.1
NE	1.3	2.3	2.6	1.3	.3							7.8	7.5
NNE	1.0	2.3	1.3									4.5	5.7
E		1.3	1.6	.6								3.5	7.7
ESE		1.0	1.0									2.6	7.0
SE	.6	.6	1.3									2.5	5.5
SSE	1.3	1.0	.6									2.9	4.4
S	.3	1.3	1.3	1.0								3.9	9.5
SSW	1.3	1.0	1.3	1.3								5.8	6.8
SW		1.3	2.6	1.6	.3							5.9	9.3
WSW	1.0	2.9	1.3	2.3								7.4	7.5
W	1.0	2.6	4.2	.6	.3							9.7	6.8
WNW	.6	1.3	2.6	3.2								7.8	9.5
NW	.3	1.3	3.9	2.9								8.4	9.7
NNW	.6	3.6	2.3	1.6	.3							8.4	7.5
VARS													
CALM												1.0	
	12.3	31.1	35.7	19.4	1.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT POWER, MARYLAND

STATION NAME

YEARS

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10
HOURS (L & T)

CEILING
(FEET)

VISIBILITY (STATUTE MILES)

E
2

240643Z

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 STATION PATUXENT RIVER, MARYLAND 73-92 YEARS OCT
MONTH
16
HOURS (LST)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	5.2	2.6	.6								11.9	5.1
NNE	.6	2.9	1.0	.6								5.2	6.3
NE		3.3	1.0	.3								3.5	6.9
ENE	1.3	.3	.3	.3								2.3	4.9
E	.3	.6	1.6	.6								3.2	7.5
ESE	1.3	2.2	.6		.3							5.7	5.8
SE	1.0	3.5	2.9	.6								8.1	6.6
SSE	1.6	3.2	6.1	1.0								11.9	7.2
S	1.0	1.9	2.3	1.3								6.5	7.2
SSW		2.3	.3	.3		.3						3.2	5.1
SW	.6		2.2	.6								4.7	8.4
WSW		1.6	1.6	.6								3.9	7.8
W	.3	1.9	1.9	.3	.6							5.2	8.1
WNW		1.9	2.3	2.3	.3							6.2	9.3
NW	1.9	1.0	2.6	2.6								8.1	8.2
NNW	1.6	1.6	3.2	1.0								7.4	6.9
VARB.													
CALM												3.7	
	15.2	33.2	33.2	13.2	1.3	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 310

5MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DETACHMENT FIVE, REOYLAND

73-1

YEARS

JAN

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	51.7	12.5	57.5	12.5	57.5	12.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 14000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 12000	7.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	7.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	1.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 8000	4.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	4.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 6000	6.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 5000	6.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1800	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1200	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 900	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 800	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 700	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 600	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 400	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 300	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 200	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 100	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 0	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1

TOTAL NUMBER OF OBSERVATIONS

710

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-52 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
19
HOURS (L S Y)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	2.3	1.3	.3								6.8	4.6
NNE	1.0	1.0	.6									2.6	4.4
NE	.7	1.0	1.0	.6								3.9	7.3
ENE	.4	1.0	1.7									2.9	5.9
E	.7	1.6	2.3	.6								4.8	7.2
ESE	.4	.0		.6								1.9	6.8
SE	1.0	.3	.6									2.9	3.9
SSE	.6	3.2	1.0									4.8	5.2
S	0.2	8.4	2.3									15.3	4.8
SSW	0.9	3.5	1.3	.3								6.1	4.9
SW	1.4	1.6	1.0	.3								4.5	5.4
WSW	.0	.6										1.0	3.7
W	1.0	1.9	1.7	.3	.3							4.8	6.7
WNW	.6	1.0	1.6	1.3								4.5	8.1
NW	1.3	1.6	1.6	.6								5.2	6.8
NNW	2.6	2.9	2.5	1.6								9.7	6.4
VARBL													
CALM												15.3	
	27.9	33.5	19.7	6.8	.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 177-1 PATENT OFFICE, MARYLAND 73-17 YEARS JAN NORTH 72 HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	53.2	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	57.7	58.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 10000	61.2	63.2	63.6	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000	62.3	63.6	63.9	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 8000	68.1	69.4	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 7000	68.7	70.0	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 6000	69.4	70.7	71.3	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	70.7	71.9	72.6	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	71.9	73.2	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	73.2	74.5	75.2	75.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	73.2	75.5	76.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	75.5	76.1	76.8	76.8	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2500	76.1	76.8	77.4	77.4	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	77.7	78.0	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	77.7	78.7	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1500	78.7	80.0	80.7	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1200	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1000	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 900	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 800	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 700	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 600	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 500	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 400	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 300	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 200	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 100	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 0	79.4	80.7	81.3	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 021 PATUXENT RIVER, MARYLAND 73-42 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
22
HOURS (L E T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	.3	.6								3.6	5.9
NNE	.6	2.3	1.3	.3	.3							4.9	6.9
NE	1.7	1.0	1.6	.6								4.5	6.4
ENE	.3	1.0	.7	.3								1.9	5.7
E	.6	2.3	2.6									5.5	6.5
ESE	.3	1.3	.7	.3								2.3	6.4
SE	.6	.7	1.0	.3								2.3	6.9
SSE	1.6	1.6	1.7	.3								4.9	5.4
S	2.6	3.9	2.9									9.4	5.1
SSW	2.2	2.3	1.6	.6								7.8	5.5
SW	1.9	2.9	2.9	.3								8.1	5.9
WSW	.7	1.6	1.3									3.2	5.9
W	1.3	1.9	1.3	.6	.3							5.6	6.7
WNW	1.7	2.6	1.6	1.0								6.5	6.5
NW	1.6	1.6	1.9	.3								5.2	5.4
NNW	.6	4.9	3.0	.6								10.6	6.7
VARBL													
CALM												13.9	
	19.7	33.0	26.2	6.5	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-12
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (15 T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	48.2	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	53.3	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	53.3	54.6	55.1	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	54.0	55.4	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	57.7	59.4	60.0	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	57.7	59.3	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	63.3	65.1	65.8	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	65.1	67.7	67.8	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	65.5	67.5	68.3	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	67.7	68.9	69.8	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	68.7	70.9	72.1	72.6	72.8	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	70.4	72.7	74.2	74.8	75.0	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	71.1	73.6	75.2	75.9	76.2	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 3000	73.1	75.9	77.6	78.6	78.8	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5
≥ 2500	74.0	76.9	78.8	79.8	80.0	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8
≥ 2000	75.1	78.2	80.2	81.3	81.5	82.1	82.3	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	75.3	78.4	80.5	81.5	81.8	82.4	82.6	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	83.0
≥ 1500	76.1	79.3	81.6	82.9	83.2	83.9	84.1	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.5	84.5
≥ 1200	76.5	79.9	82.2	83.7	84.0	84.7	84.9	84.9	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.4
≥ 1000	76.8	80.3	83.2	84.9	85.4	86.4	86.6	86.6	86.6	87.0	87.1	87.1	87.1	87.1	87.1	87.2
≥ 900	76.9	80.4	83.4	85.4	86.7	86.9	87.2	87.2	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.9
≥ 800	77.0	80.6	83.9	86.2	86.8	87.8	88.2	88.3	88.3	88.8	88.9	88.9	88.9	88.9	88.9	89.0
≥ 700	77.2	80.9	84.5	87.0	87.7	88.7	89.1	89.2	89.2	89.8	89.9	89.9	89.9	89.9	90.0	90.1
≥ 600	77.4	81.2	84.8	87.6	88.3	89.5	90.0	90.1	90.1	90.8	90.9	90.9	90.9	91.0	91.0	91.1
≥ 500	77.6	81.5	85.3	88.5	89.5	91.0	91.6	91.7	91.7	92.4	92.7	92.7	92.7	92.8	92.9	93.0
≥ 400	77.6	81.7	85.5	89.1	90.4	92.0	92.9	92.9	92.9	93.8	94.2	94.2	94.2	94.6	94.6	94.7
≥ 300	77.7	81.7	85.7	89.5	90.9	92.9	94.1	94.7	94.7	95.5	95.9	95.9	95.9	96.5	96.6	96.9
≥ 200	77.7	81.7	85.7	89.5	90.9	93.1	94.3	94.5	94.5	95.9	96.5	96.6	96.6	97.5	97.7	98.1
≥ 100	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	94.6	96.2	96.8	96.8	96.8	98.1	98.3	98.9
≥ 0	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	94.6	96.2	96.8	96.8	96.8	98.1	98.3	98.9

TOTAL NUMBER OF OBSERVATIONS

2476

DIPNAVOCEANMET SMOS

14466422
2
1220

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17201 PATIENT RIVER, MARYLAND 73-82 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.3	2.6	.6								7.6	6.2
NNE	.6	2.2	1.7	.6	.0							5.7	5.6
NE	.6	1.0	1.0	.7	.7							5.2	7.1
ENE	.0	1.7	1.0	.2	.0							3.3	5.9
E	.6	1.5	1.0	.3								4.0	6.4
ESE	.0	1.3	.7	.2	.0							2.9	6.3
SE	.6	1.3	1.1	.2								3.3	6.0
SSE	1.0	1.6	1.7	.4								4.7	5.3
S	1.3	2.7	2.0	.7								7.2	5.1
SSW	1.0	2.3	1.4	.6		.0						6.3	5.8
SW	1.1	1.0	2.1	.0	.1							5.9	6.9
WSW	.0	1.3	1.6	.8								4.6	6.7
W	1.4	2.4	1.9	.5	.3							7.0	6.5
WNW	.0	2.2	2.7	1.8	.1							7.0	7.9
NW	1.7	2.3	2.5	1.4								7.7	7.2
NNW	1.7	3.0	3.7	.8	.1							8.6	6.7
VARBL													
CALM												8.9	
	17.3	32.9	29.5	10.7	.7	.0						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2475

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATIENT RIVER, MARYLAND
STATION NAME73-72
YEARSFEB
MONTH01
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.7	57.1	57.1	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	61.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
≥ 18000	61.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
≥ 16000	61.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2
≥ 14000	62.1	63.5	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	62.1	63.5	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	64.9	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	66.0	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	66.4	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	66.4	70.9	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	66.2	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	70.2	73.1	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500	71.6	75.2	75.5	76.2	76.6	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	74.1	77.0	78.7	79.4	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	74.1	77.0	78.7	79.4	79.8	79.8	80.1	80.1	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	75.5	79.4	80.5	81.2	81.6	81.6	81.9	81.9	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	76.9	80.5	81.6	82.3	82.6	82.6	83.0	83.0	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	77.1	80.9	81.9	83.0	83.3	83.3	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	77.1	80.9	81.9	83.0	83.3	83.3	83.7	83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	77.1	81.2	82.3	83.3	83.7	83.7	84.0	84.0	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	77.3	81.6	82.6	83.7	84.0	84.0	84.4	84.4	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000	78.7	83.7	84.4	85.8	86.5	86.9	87.2	87.2	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	78.1	83.3	85.1	86.9	87.6	87.9	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	79.1	83.7	85.1	87.2	88.3	89.0	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	79.1	83.3	85.5	87.6	88.7	89.4	89.7	89.7	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600	79.1	83.7	86.2	87.2	89.4	90.1	90.4	90.4	90.4	90.4	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	79.1	84.0	86.9	89.0	90.1	90.8	91.1	91.1	91.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8
≥ 400	79.1	84.4	87.9	90.4	91.5	92.2	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.0	94.0	94.0
≥ 300	79.1	84.4	87.9	90.8	91.8	92.6	93.3	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.7	94.7
≥ 200	79.1	84.4	87.9	91.1	92.6	93.3	94.0	94.7	94.7	94.7	96.1	96.5	96.8	97.2	97.2	97.5
≥ 100	79.1	84.4	87.9	91.1	92.6	93.3	94.0	94.7	94.7	94.7	96.1	96.5	96.8	97.2	97.2	97.5
≥ 0	79.1	84.4	87.9	91.1	92.6	93.3	94.0	94.7	94.7	94.7	96.1	96.5	96.8	97.2	97.2	97.5

TOTAL NUMBER OF OBSERVATIONS

292

DIRNAVOCEANMET SMOS

E
2

7086-112

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972 PATXENT RIVER, MARYLAND 33-01 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	3.0	.7								8.7	6.5
NNE	.7	1.7	1.7	.3								3.7	6.7
NE	.7	3.0	2.0									5.7	6.6
ENE		1.0	1.0									2.7	5.0
E		1.0	.3									1.3	5.5
ESE	.7	1.3	.3									2.7	5.0
SE	1.0	.3										1.7	3.5
SSE	.3	1.0	1.3									2.7	5.6
S	1.7	1.3	2.7	.3								6.7	6.1
SSW	.7	4.7	1.7	2.0								8.7	7.1
SW	.7	1.0	2.7	1.7								5.7	8.4
WSW	1.7	1.3	3.0	1.7								7.7	7.3
W	2.3	3.0	2.3	2.7								8.7	6.5
WNW	.7	2.0	3.0	1.3								6.7	7.3
NW	1.0	3.7	3.3	1.7	.3							9.3	7.1
NNW	.7	3.3	3.7	1.3								8.7	7.3
VARB													
CALM												10.3	
	13.0	33.0	31.7	12.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
711STATION NAME
PATUXENT RIVER, MARYLAND

73-52

YEARS

FEET
NORTH

24

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	51.0	53.2	54.3	54.6	54.6	54.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	52.5	57.6	61.7	62.1	62.1	62.1	62.1	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 18000	52.9	61.7	62.1	62.4	62.4	62.4	62.4	62.7	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 16000	55.9	61.7	62.1	62.4	62.4	62.4	62.4	62.8	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 14000	59.2	61.4	62.4	62.8	62.8	62.8	62.8	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 12000	59.2	62.1	63.1	63.5	63.5	63.5	63.5	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	64.2	67.0	68.1	68.4	68.4	68.4	68.4	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 9000	64.0	67.4	68.4	68.8	68.8	68.8	68.8	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	66.4	71.3	72.3	72.7	73.1	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 7000	66.4	71.3	72.3	72.7	73.1	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	69.2	72.0	73.1	73.4	73.8	73.8	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	70.2	73.4	74.5	74.8	75.2	75.2	75.2	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4500	71.3	74.5	75.5	75.9	76.2	76.2	76.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	72.0	75.2	76.6	77.0	77.3	77.3	77.3	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	73.1	76.2	77.7	78.0	78.4	78.4	78.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	73.3	77.7	79.1	79.4	79.8	79.8	79.8	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	74.3	78.7	80.1	80.9	81.2	81.6	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	75.9	80.5	81.9	82.6	83.3	83.7	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	75.9	80.5	81.9	82.6	83.3	83.7	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	76.2	81.2	82.6	83.3	84.0	84.4	84.4	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	77.0	81.9	83.3	84.4	85.1	85.5	85.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1000	77.3	82.3	83.7	84.8	85.5	86.2	86.2	86.5	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 900	77.7	83.3	84.4	85.5	86.2	86.9	86.9	87.9	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	78.7	84.0	85.5	86.5	87.2	87.9	87.9	89.0	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 700	78.7	84.0	85.5	86.5	87.2	87.9	87.9	89.0	89.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 600	79.4	84.8	86.2	87.6	88.3	89.4	89.4	90.4	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 500	79.4	84.8	86.2	87.6	88.3	89.7	89.7	91.1	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 400	79.9	85.1	86.5	87.6	89.4	91.1	91.1	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 300	79.3	85.1	86.5	87.6	89.4	91.5	91.5	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 200	79.8	85.1	86.5	89.0	90.1	92.2	92.2	94.3	94.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 100	79.3	85.1	86.5	89.0	90.1	92.2	92.2	94.3	94.3	95.7	95.7	96.1	96.1	97.2	97.5	97.5
IV 0	79.3	85.1	86.5	89.0	90.1	92.2	92.2	94.3	94.3	95.7	95.7	96.1	96.1	97.2	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

720

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14721

PATUXENT RIVER, MARYLAND

72-73

YEARS

FEB

MONTH

77

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	50.7	50.4	51.1	52.1	52.8	53.2	53.6	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	57.5	59.5	59.9	61.4	62.1	62.4	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 10000	61.0	62.8	64.2	65.6	66.3	66.7	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	61.4	63.1	64.5	66.0	66.7	67.0	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	64.2	66.7	68.4	69.9	70.9	71.3	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	65.6	68.4	70.2	71.6	72.7	73.1	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	66.0	68.8	70.6	72.0	73.1	73.4	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 5000	66.3	69.2	70.9	72.3	73.4	73.8	74.1	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	67.7	70.6	72.3	73.8	74.8	75.2	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	70.2	73.1	74.8	77.3	78.7	79.4	79.8	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	70.2	73.1	74.8	77.7	79.4	80.1	80.5	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	72.0	74.8	77.0	79.8	81.6	82.3	82.6	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	72.7	75.5	78.0	81.2	83.0	83.7	84.0	84.4	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	72.7	75.5	78.4	81.6	83.3	84.4	84.8	85.1	86.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	73.1	75.9	78.7	81.9	83.7	84.8	85.1	85.5	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 800	73.4	76.2	79.1	82.3	84.0	85.1	85.5	86.2	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 700	73.4	76.2	79.1	82.3	84.0	85.1	85.5	86.2	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	73.4	76.6	79.4	82.6	84.8	86.2	86.9	87.6	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 500	73.4	76.6	79.8	83.3	85.8	87.6	88.3	89.0	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 400	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 300	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 200	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 100	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 0	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

282

DIRNAVOCEANMET SMOS

E
2

7086432

1775

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PATIENT RIVER, MARYLAND STATION NAME 73-82 YEARS NOV
CLASS ALL WEATHER MONTH 07
CONDITION NOVRS LL 5 T

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.0	4.0	.7								8.3	5.6
NNE		2.0	2.0									4.0	7.0
NE	.3	1.7	2.3									4.3	6.7
ENE	.7	1.7	.7									2.7	5.1
E	.7	2.7	.7	.3								3.7	5.5
ESE	.7	.3	.7									1.7	5.0
SE		.7	.3									1.0	6.0
SSE		1.0	1.0	.3								2.3	7.0
S	1.7	1.7	.7	.7								4.7	6.4
SSW	1.0	1.7	2.3	.7								6.7	6.7
SW	1.7	1.7	2.0	1.7								6.7	7.7
WSW	1.7	3.0	1.7	.7	.3							7.3	6.5
W	.7	4.3	2.3	1.0								10.7	5.9
WNW	2.7	1.7	2.3	1.3								7.3	6.0
NW	2.3	1.7	1.7	1.3								7.7	6.9
NNW	2.3	4.7	2.7	1.0								11.7	6.2
VARBL													
CALM												12.7	
	10.3	29.7	28.3	9.7	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
11701STATION NAME
PATIENT RIVER, MARYLANDYEARS
73-82MONTH
FEBHOURS (LST)
10PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	1.0	48.2	49.3	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	1.0	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	1.0	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	1.0	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	1.0	58.2	59.6	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	1.0	59.6	61.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	1.0	62.4	64.2	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	1.0	63.1	64.9	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	1.0	67.7	70.2	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	1.0	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	1.0	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	1.0	69.5	72.7	73.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	1.0	70.6	73.8	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.0	71.6	75.2	75.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	1.0	73.1	76.6	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	1.0	75.2	78.7	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	1.0	75.5	79.1	79.8	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	1.0	75.5	79.1	80.1	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	1.0	75.5	79.1	80.1	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	1.0	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	1.0	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	1.0	76.6	80.5	81.9	85.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	1.0	76.6	80.5	81.9	85.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	1.0	76.6	80.5	82.3	85.8	86.9	87.6	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	1.0	77.0	81.2	83.3	86.9	87.9	88.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	1.0	77.0	81.6	83.7	87.2	88.7	89.4	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 500	1.0	77.7	81.6	84.0	87.6	89.0	90.4	91.1	91.1	91.8	91.8	91.8	92.6	92.6	92.6	92.9
≥ 400	1.0	77.7	81.9	84.4	87.9	89.4	91.1	92.2	92.2	93.3	93.3	93.3	94.0	94.0	94.3	94.7
≥ 300	1.0	77.7	81.9	84.4	87.9	89.4	91.1	92.9	92.9	94.7	94.7	94.7	95.4	95.4	95.7	96.1
≥ 200	1.0	77.7	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.5	97.5	97.9	98.2
≥ 100	1.0	77.7	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	98.9
≥ 0	1.0	77.7	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	98.9

TOTAL NUMBER OF OBSERVATIONS

252

DIPNAVOCEANMET SMOS



2

NWS-412

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972	PATUXENT RIVER, MARYLAND	73-82	NOV
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			10
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	4.0	2.0								9.0	5.4
NNE	1.3	1.3	3.3	.3								6.4	6.2
NE	.7	2.0	.7	.7								3.7	6.5
ENE	.7	1.0	1.3	.3								3.0	7.0
E	.3	1.3	.7	.3								2.7	6.5
ESE	.7	.7	1.3									2.7	5.9
SE		2.0	.7									2.7	6.0
SSE		1.0	1.0	.3								2.3	7.3
S	1.0	1.0	2.0	.7	.3							5.0	8.3
SSW	.3		1.7	2.7								4.7	10.4
SW	.7	1.0	2.0	3.0								6.7	9.1
WSW	1.0	1.7	1.7	2.7								7.0	9.7
W	1.3	1.7	5.4	1.3	.3							10.0	7.6
WNW	.7	2.3	4.0	1.7	.3							9.0	8.7
NW	.3	1.3	2.3	3.3								7.4	9.4
NNW	.7	2.3	6.4	3.0								12.4	9.0
VARBL													
CALM												5.4	
	9.4	22.7	39.1	22.4	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSFEB
MONTH17
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.0	52.1	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	1.0	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	1.0	66.7	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	1.0	67.4	68.1	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 8000	1.0	69.5	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 7000	1.0	70.9	72.3	73.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	1.0	71.3	72.7	73.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	1.0	71.6	73.4	74.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4500	1.0	72.0	74.1	74.8	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	1.0	73.8	76.2	77.0	78.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3500	1.0	74.1	76.6	77.3	78.7	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	1.0	76.2	79.1	79.8	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	1.0	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	1.0	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1800	1.0	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	1.0	77.7	80.5	81.2	83.3	84.4	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	1.0	79.1	82.3	83.0	85.1	86.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1000	1.0	79.1	82.6	83.3	85.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 900	1.0	79.1	82.6	83.3	85.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 800	1.0	79.1	82.6	84.4	87.6	89.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 700	1.0	79.1	82.6	84.4	88.3	89.7	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600	1.0	79.1	82.6	84.4	89.4	90.8	92.3	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	1.0	79.1	82.6	84.4	89.7	91.1	94.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	1.0	79.1	82.6	84.8	90.4	91.6	95.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	1.0	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 200	1.0	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100	1.0	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 0	1.0	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

292

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1721 PATI'ENT RIVER, MARYLAND 73-22 YEARS

STATION NAME

ALL WEATHER

CLASS

CONDITION

NCV NORTH 13 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.3	4.0	.3								9.7	6.6
NNE	.7	1.7	4.0									6.3	6.6
NE	.3	1.3	1.3									3.0	6.6
ENE	.7	1.0	.3	.7								2.7	6.4
E	.7	2.3	.3									3.3	4.6
ESE	1.0	3.3	.7									5.0	4.9
SE	2.3	2.3	3.7									8.7	5.5
SSE		1.3	2.0	2.0								5.3	8.9
S		.7	3.0	1.3								4.7	9.9
SSW	.3	1.3	2.3	.7								4.7	7.9
SW	.7	.3	2.7	2.0		.3						6.0	9.7
WSW	.3	.7	2.7	1.7	.3							5.7	9.8
W		1.7	3.7	2.0								7.3	9.1
WNW		1.7	3.7	2.3	.3							8.0	9.7
NW		1.0	2.7	3.7		.3						7.7	11.2
NNW	1.3	2.7	3.3	3.7	.3							11.3	9.7
VARBL													
CALM												1.0	
	9.3	27.3	40.7	20.3	1.0	.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1972
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-92
YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	1.7	2.0								9.3	6.7
NNE	1.7	2.7	2.0									6.3	4.8
NE	1.7	.7	1.3									3.7	5.0
ENE	.7	1.3	.3	.3								2.7	5.6
E	1.7	.7	.3	.3								2.3	4.9
ESE	1.3	2.7	1.0									5.0	4.6
SE	2.0	5.0	1.7									8.7	5.2
SSE	.7	5.0	5.0	.3								10.7	6.9
S	1.0	2.3	1.7	1.0								6.8	6.9
SSW	.3	1.0	1.7	1.0								4.0	6.3
SW	.3	1.3	2.3	1.7								5.0	6.3
WSW	.3	1.0	3.0	.3								4.7	8.0
W	.7	3.7	2.3	1.7	.3							7.7	7.5
WNW	.7	.7	1.3	2.7	.3							5.7	10.0
NW	.3	1.7	3.0	3.0								8.0	9.1
NNW	1.0	2.3	3.7	2.0								9.0	8.4
VARB.													
CALM												1.7	
	14.7	36.0	32.3	15.0	.7							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

300

8808

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

73-82

YEARS

FEB

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	51.8	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	1.0	59.9	60.3	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 18000	1.0	59.9	60.3	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	1.0	60.3	60.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	1.0	61.0	61.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	1.0	62.4	63.1	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	1.0	63.5	64.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	1.0	63.5	64.5	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	1.0	67.4	68.8	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	1.0	67.7	69.2	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	1.0	68.4	69.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	1.0	68.6	70.9	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	1.0	71.3	74.1	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	1.0	72.3	75.2	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	1.0	73.1	76.2	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	1.0	74.3	78.0	79.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	1.0	74.3	79.4	79.4	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	1.0	74.3	79.1	80.5	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	1.0	74.3	79.1	80.9	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	1.0	75.5	80.1	81.9	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	1.0	76.6	81.2	83.0	85.5	85.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	1.0	76.6	81.9	83.7	87.6	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	1.0	76.6	81.9	84.0	88.3	88.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	1.0	76.6	81.9	84.0	88.3	89.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	1.0	76.6	82.3	84.4	89.0	89.7	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	1.0	76.6	82.3	84.4	89.0	90.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 500	1.0	76.6	83.3	85.8	90.1	90.0	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	1.0	77.7	83.3	85.8	90.4	91.1	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 0	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

222

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

19731 PATUXENT RIVER, MARYLAND 73-92 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	1.7	.3								7.3	5.4
NNE	.7	1.3	2.3									4.0	6.9
NE	.3	2.0	1.0									3.3	5.9
ENE	.3	.7	.3	.3								1.7	5.4
E	.3	.3	1.0	.7								2.3	8.1
ESE	.3		1.0									1.3	7.5
SE	1.0	2.3	1.3									4.7	5.7
SSE	1.3	2.0	.7	.3								4.3	5.1
S	.3	4.0	2.3	1.0								12.7	4.9
SSW	2.0	1.7	2.7	.7								8.0	5.8
SW	1.3	.7	1.0	.3								3.3	5.6
WSW	1.3	1.0	.3	.3								3.0	4.9
W	1.7	.7	1.7	1.0								5.0	6.6
WNW	1.0	.3	2.0	.7	.3	.3						4.7	9.1
NW	1.7	2.3	2.3	2.0								8.3	7.3
NNW	1.3	3.0	4.7	.3	.7							10.0	7.6
VARBL													
CALM												16.0	
	22.3	26.0	26.3	8.0	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
11701STATION NAME
PATONET RIVER, MARYLAND

73-72

YEARS

MONTH
19

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		53.6	55.7	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1
≥ 20000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 18000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 16000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 14000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 12000		61.4	63.5	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9
≥ 10000		63.5	65.6	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0
≥ 9000		63.3	66.0	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4
≥ 8000		67.4	69.5	70.2	70.6	70.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 7000		68.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 6000		63.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 5000		69.9	72.3	73.1	73.4	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5
≥ 4500		71.3	73.8	74.5	75.9	75.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.0	77.0
≥ 4000		72.3	75.2	75.9	77.7	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7
≥ 3500		73.1	75.9	76.6	78.4	78.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
≥ 3000		75.5	79.7	79.8	81.9	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3
≥ 2500		77.0	80.1	81.2	83.3	83.3	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.8	84.8
≥ 2000		77.7	81.2	82.3	84.8	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2
≥ 1800		77.7	81.2	82.3	85.1	85.1	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5	86.5
≥ 1500		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1200		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1000		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 900		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 800		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 700		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 600		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 500		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 400		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 300		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 200		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 100		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 0		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS

212

DIRNA/OCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

NCV

BORTH

ALL WEATHER
CLASS

22

HOURLY (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.7	2.7	1.3								6.7	7.3
NNE	.7	1.7	.3	.3								3.0	5.3
NE	.7	1.7	1.3	.3								4.0	6.3
ENE	.3	1.3	1.7	.7								4.0	7.5
E	.7	.3	.3									1.7	4.3
ESE		.3	1.0									1.3	7.0
SE	1.0	.7	1.3									3.0	5.7
SSE	.7	2.3	.3	.3								3.7	5.3
S	.3	4.0	2.7	1.3								10.3	6.1
SSW	1.7	2.7	3.0	.3								7.7	6.2
SW	1.0	1.0	2.7	1.7								6.3	8.1
WSW	2.7	1.3	1.0									5.0	4.2
W	1.0	1.7	1.3	1.0								5.0	6.9
WNW	1.0	2.0	3.0	1.7								7.7	7.7
NW	1.0	2.3	1.3	1.7	.3							6.7	7.8
NNW	1.7	5.0	2.0	1.0	.3							11.0	6.7
VARIABLE													
CALM												11.3	
	17.3	32.0	27.0	11.7	.7							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION PATENT RIVER, MARYLAND

73-00

YEARS

FEET

MILES

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING		56.7	57.5	58.9	60.6	60.8	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4	61.4
≥ 20000		1.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
IV 18000		1.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
IV 16000		1.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3
IV 14000		1.7	62.8	64.2	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7
IV 12000		2.4	63.5	64.9	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4	67.4
IV 10000		3.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6
IV 9000		5.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6	70.6
IV 8000		7.2	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5
IV 7000		9.8	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5	74.5
IV 6000		11.3	71.3	73.1	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.5
IV 5000		11.6	71.3	73.1	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.5
IV 4500		12.1	74.1	75.9	78.0	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7	78.7
IV 4000		13.1	75.9	78.0	80.5	80.5	80.5	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2
IV 3500		13.4	76.2	78.4	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6	81.6
IV 3000		15.2	78.0	80.1	82.5	82.5	82.5	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
IV 2500		15.2	78.0	80.1	82.5	82.5	82.5	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
IV 2000		16.3	79.1	81.9	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.5
IV 1800		16.2	79.1	81.9	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5	85.5
IV 1500		17.3	81.1	83.3	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.2
IV 1200		17.7	81.1	83.3	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2	87.2
IV 1000		18.0	80.9	84.0	87.6	87.6	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7
IV 900		18.1	80.9	84.0	87.6	87.6	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7
IV 800		18.0	80.9	84.0	87.6	87.6	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7	88.7
IV 700		18.4	81.2	84.8	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.4	89.4	89.4
IV 600		18.4	81.2	84.8	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.4	89.4	89.4
IV 500		18.7	81.6	85.5	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4
IV 400		18.7	81.6	85.5	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4
IV 300		18.7	81.6	85.5	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4
IV 200		18.7	81.6	85.5	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4
IV 100		18.7	81.6	85.5	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4
IV 0		18.7	81.6	85.5	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4	90.4	90.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17721 PATUXENT RIVER, MARYLAND 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

MONTH

01

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.2	1.9	1.0	.3							10.0	6.1
NNE	.6	.6	1.9									3.2	6.7
NE	.7	.6	1.7	.6								2.6	7.9
ENE	1.3	1.0	.6									3.9	4.4
E	1.0	.3	.6									1.9	4.3
ESE	.6	.3	.3									1.3	4.3
SE	.7	.6	.6									1.6	6.4
SSE	1.3	.6	.6	.3								2.9	6.1
S	1.7	2.3	1.9	1.0								6.9	7.2
SSW	1.6	1.6	1.3	1.3								5.8	6.7
SW	1.3	2.3	3.5	1.6	.3							9.0	7.9
WSW	.3	.6	1.9	1.9	.3							5.2	10.1
W	1.0	2.3	1.6	1.0								5.3	6.4
WNW	.6	2.6	2.6	2.6	.3							8.7	9.1
NW	.6	4.6	2.9	1.3	1.0							10.3	8.2
NNW	1.0	2.0	2.9	1.0								7.7	7.1
VARBL													
CALM												13.0	
	16.8	27.4	26.8	13.5	2.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1721STATION NAME
PATHEMPT RIVER, MARYLAND

73-12

YEARS

FEET

MILES

ALL

HOURS 11 5 T 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	12.0	53.4	53.9	54.6	54.7	54.7	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 20000	.7	59.4	60.6	61.3	62.0	62.1	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.6	62.6
≥ 18000	.7	59.4	60.6	61.3	62.1	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.6	62.7	62.7
≥ 16000	.7	59.5	60.7	61.4	62.1	62.2	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7
≥ 14000	.7	59.5	61.0	61.7	62.4	62.5	62.6	62.7	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0
≥ 12000	.7	60.9	62.4	63.0	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.5
≥ 10000	.7	64.5	65.5	66.4	67.2	67.2	67.3	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 9000	.7	64.5	65.1	66.8	67.6	67.7	67.8	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.3	68.3
≥ 8000	.7	67.7	69.7	70.6	71.5	71.6	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.2	72.2
≥ 7000	.7	63.4	70.6	71.5	72.5	72.7	72.9	73.1	73.1	73.3	73.3	73.3	73.3	73.4	73.4	73.5
≥ 6000	.7	68.8	71.0	71.9	72.9	73.1	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.9
≥ 5000	.7	69.6	72.1	73.0	74.1	74.3	74.5	74.7	74.7	74.9	74.9	74.9	74.9	75.0	75.0	75.0
≥ 4500	.7	71.0	72.8	74.7	76.0	76.3	76.4	76.6	76.6	76.8	76.9	76.9	76.9	76.9	77.0	77.0
≥ 4000	.7	72.3	75.4	76.5	78.0	78.3	78.5	78.6	78.7	78.9	79.0	79.0	79.0	79.0	79.1	79.1
≥ 3500	.7	72.9	75.7	77.1	78.6	79.0	79.1	79.3	79.4	79.6	79.7	79.7	79.7	79.7	79.8	79.8
≥ 3000	.7	74.5	77.8	79.1	80.9	81.3	81.5	81.7	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.2
≥ 2500	.7	75.1	78.4	79.7	81.7	82.1	82.5	82.7	82.8	83.0	83.1	83.1	83.1	83.2	83.2	83.2
≥ 2000	.7	75.6	79.2	80.6	82.6	83.1	83.6	83.8	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.3
≥ 1800	.7	75.6	79.2	80.6	82.6	83.2	83.7	83.9	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 1500	.7	76.2	79.9	81.6	83.8	84.4	84.9	85.2	85.2	85.5	85.6	85.6	85.6	85.7	85.8	85.9
≥ 1200	.7	76.8	80.5	82.3	84.6	85.2	85.7	86.0	86.0	86.3	86.4	86.4	86.5	86.5	86.6	86.7
≥ 1000	.7	77.1	81.1	82.9	85.7	86.5	87.5	87.8	87.9	88.2	88.4	88.4	88.5	88.5	88.6	88.7
≥ 900	.7	77.5	81.2	83.2	86.1	86.9	87.9	88.3	88.3	88.7	88.9	89.0	89.0	89.1	89.2	89.3
≥ 800	.7	77.5	81.4	83.6	86.7	87.5	88.7	89.1	89.1	89.7	89.9	89.9	89.9	90.1	90.2	90.3
≥ 700	.7	77.7	81.7	84.0	87.3	88.1	89.5	90.0	90.0	90.6	90.8	90.8	90.9	91.0	91.1	91.2
≥ 600	.7	77.7	81.9	84.3	87.7	88.3	89.8	90.3	90.3	91.5	91.8	91.8	92.0	92.0	92.1	92.2
≥ 500	.7	77.7	82.2	84.6	88.3	89.3	91.3	91.9	92.1	92.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 400	.7	77.7	82.4	85.2	88.9	90.1	92.2	93.1	93.7	93.9	94.2	94.3	94.3	94.3	94.3	94.3
≥ 300	.7	77.9	82.5	85.2	89.0	90.3	92.5	93.7	93.8	94.6	95.1	95.2	95.2	95.7	95.7	95.7
≥ 200	.7	77.9	82.5	85.2	89.1	90.3	92.7	94.0	94.7	95.2	95.7	95.9	96.6	96.7	97.3	97.7
≥ 100	.7	77.9	82.5	85.2	89.1	90.3	92.9	94.2	94.6	95.4	96.7	96.2	97.2	97.4	98.3	98.5
≥ 0	.7	77.9	82.5	85.2	89.1	90.3	92.9	94.2	94.6	95.4	96.7	96.2	97.2	97.4	98.3	98.5

TOTAL NUMBER OF OBSERVATIONS

2256

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

YEARS

MONITOR

—

HOUSE LIST

[illegible]



2

1406442

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 PATIENT RIVER, MARYLAND 73-92 DEC
STATION STATION NAME YEARS NORTH
ALL WEATHER CLASS 37
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	3.2	1.0	.3							8.4	7.3
NNE	.3	2.3	.6	1.0								4.3	7.2
NE	.6	2.6		.3								3.6	5.5
ENE	.6	2.9	.3									3.9	4.4
E	1.0	1.6	.3		.6							3.6	7.2
ESE	1.0	.6										1.6	3.6
SE													
SSE	1.0	1.3	1.3	.6								4.2	6.5
S	2.6	1.6	1.0	.3								5.6	4.7
SSW	1.6	1.3	2.6	1.6	.3							7.4	8.2
SW	1.0	2.3	1.6	1.9								6.8	7.5
WSW	1.3	1.3	1.3	.3								4.2	5.8
W	3.9	1.6	1.3	.6								7.4	4.7
WNW	.7	1.6	2.3	1.9	1.0							7.1	10.1
NW	.6	2.6	2.3	2.3	.3							8.4	8.5
NNW	1.6	5.2	3.2	.6		.7						11.0	6.6
VARBL													
CALM												12.6	
	12.1	31.4	21.4	12.6	2.6	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

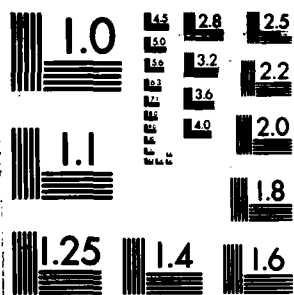
STATION PATIENT IV-1, WARMLAND 73-1
STATION NAME YEARS MONTH HOURS 11 5 T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	4.4	5.0	52.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	4.4	5.0	52.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 18000	54.0	50.0	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	54.0	50.0	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	54.0	50.0	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	55.0	57.1	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	58.1	60.0	62.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 9000	58.1	60.0	62.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 8000	62.0	64.0	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	62.0	64.0	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	62.0	64.0	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	63.0	65.0	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4500	66.0	67.0	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	66.0	69.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3500	67.4	70.0	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	68.4	71.2	76.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2500	70.0	74.0	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 2000	70.0	74.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 1800	71.7	75.0	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1500	72.3	75.0	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	72.3	75.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1000	72.0	77.4	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 900	73.0	77.4	81.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 800	73.0	77.4	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 700	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 600	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 500	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 400	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 300	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 200	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 100	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 0	73.0	77.4	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17721 STATION NAME PATUXENT RIVER, MARYLAND YEARS 73-82 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	2.6	1.6								7.1	7.6
NNE	1.3	3.0	2.9									3.1	5.0
NE	.7	3.2	.6									4.2	4.9
ENE	1.3	1.3										2.6	3.3
E	1.0	1.0	.6			.7						2.9	6.9
ESE	.7	2.9	1.0									4.2	5.8
SE	.6	1.3	2.9	.3								5.2	7.0
SSE	1.0	1.3	1.3	1.0								4.5	6.7
S		2.6	2.3	1.0								5.8	7.9
SSW	.7	1.9	1.9	1.9	.6							6.9	9.0
SW		.6	1.9	2.9	.6							5.1	11.8
WSW	.6	.6	2.2	2.3								6.0	9.5
W	1.0	1.6	2.3	1.0	.3							6.1	7.9
WNW		1.4	1.7	2.9	.3	.3						6.5	11.2
NW	1.0	1.0	4.5	6.8	.6	.7						14.2	10.8
NNW	.3	1.9	2.9	1.9	.3							7.4	9.3
VARBL													
CALM												1.9	
	.7	29.7	32.3	23.5	2.9	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATUXENT RIVER, MARYLAND

73-82

YEARS

MAR

MONTH

07

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	38.1	40.3	41.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	.7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	.7	45.5	48.1	49.7	51.6	51.6	52.3	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	.7	49.7	53.2	55.2	57.1	57.4	58.1	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	.7	50.0	53.9	55.8	57.7	58.1	58.7	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	.7	53.2	57.1	59.4	61.9	62.3	62.9	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	.7	54.2	58.1	60.3	62.9	63.2	63.9	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 6000	.7	54.8	58.7	61.0	63.6	63.9	64.5	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	.7	56.1	60.3	62.6	65.2	65.8	66.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4500	.7	58.4	62.6	64.8	67.4	68.1	68.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	.7	62.3	66.8	69.0	71.6	72.3	72.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	.7	63.2	67.7	70.0	72.9	73.6	74.5	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	.7	65.5	70.0	72.9	75.8	76.8	77.7	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	.7	66.8	71.3	74.2	77.1	78.1	79.0	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	.7	67.4	71.9	74.8	78.1	79.0	80.3	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	.7	67.4	71.9	74.8	78.1	79.0	80.3	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	.7	67.4	72.3	75.2	78.7	79.7	81.0	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1200	.7	67.7	72.9	75.8	79.4	80.3	81.6	82.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	.7	68.4	73.9	77.4	81.3	82.3	83.6	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 900	.7	68.4	73.9	77.7	81.6	82.6	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	.7	68.4	73.9	78.1	82.6	83.6	84.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	.7	68.4	73.9	78.4	82.9	84.2	85.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	.7	68.4	74.2	78.7	83.2	84.5	85.8	86.8	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	.7	68.4	74.2	78.7	83.6	84.8	86.8	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 400	.7	68.4	74.2	78.7	83.9	85.5	87.4	88.4	88.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 300	.7	68.4	74.2	78.7	83.9	85.8	88.1	89.0	89.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3
≥ 200	.7	68.4	74.2	78.7	83.9	86.1	88.7	89.7	89.7	92.3	92.3	92.9	93.6	94.5	95.2	96.1
≥ 100	.7	68.4	74.2	78.7	83.9	86.1	88.7	89.7	89.7	92.3	92.3	92.9	93.6	94.5	95.2	96.1
≥ 0	.7	68.4	74.2	78.7	83.9	86.1	88.7	89.7	89.7	92.3	92.3	92.9	93.6	94.5	95.2	96.1

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

2
7046442
7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10721 STATION PATIENT RIVER, MARYLAND 73-72 YEARS DEC
16
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.0	2.5	2.3	1.7								8.7	5.7
NNE	1.5	2.2	1.4	.3								5.1	5.6
NE	1.0	1.7	1.7									2.9	4.8
ENE	1.7	1.3										2.7	3.3
E	1.0	.7	.6				.7					3.2	6.5
ESE	1.3	1.3		.3								3.1	5.5
SE	1.7	2.4	1.7	.6								5.1	5.8
SSE	1.3	2.4	1.0	.6								6.7	6.7
S	1.0	2.0	1.6	.6								4.1	5.1
SSW	1.7	2.4	1.6	2.3								7.7	7.6
SW		.6	1.7	1.3								3.7	10.1
WSW	.7	1.0	1.0	1.0								5.1	7.4
W	1.7	2.3	2.6	1.3								7.4	7.1
WNW	1.7	.3	2.3	2.0	.3							6.7	10.9
NW	.6	1.6	2.4	5.2								10.1	10.0
NNW	1.0	3.7	2.3	2.3								9.1	7.8
VARB													
CALM												5.7	
	19.1	31.4	24.8	19.7	.3		.7					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARS

MAD

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.7	45.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	1.3	52.1	54.1	55.7	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	1.3	52.4	54.7	56.3	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	1.3	52.8	55.0	56.6	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	1.3	53.1	55.3	57.0	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 12000	1.3	54.4	56.6	58.3	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 9000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	1.3	62.1	64.7	66.7	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000	1.3	63.1	65.7	68.0	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 6000	1.3	63.4	66.0	68.3	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	1.6	65.7	68.6	70.9	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 4500	1.6	66.7	69.6	72.2	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4000	1.6	68.6	72.2	74.8	76.7	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	1.6	70.2	73.8	76.4	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	1.6	73.1	76.7	79.3	81.6	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	1.6	73.8	77.0	80.9	83.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500	1.6	75.4	79.6	82.5	85.1	85.1	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	1.6	75.7	79.9	82.9	85.8	85.8	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1000	1.6	75.7	80.9	84.1	87.1	87.1	87.4	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 900	1.6	75.7	80.9	84.1	87.4	87.4	87.7	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.0	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6
IV 700	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.3	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	1.6	75.7	80.9	84.1	88.0	88.0	89.3	90.3	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9
IV 500	1.6	75.7	80.9	84.1	88.0	89.0	89.6	90.6	90.6	91.6	92.2	92.2	92.6	92.6	92.9	92.9
IV 400	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.3	91.3	92.2	92.9	92.9	93.5	93.5	94.2	94.2
IV 300	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.6	91.6	92.6	93.2	93.2	94.2	94.5	95.5	95.5
IV 200	1.6	75.7	80.9	84.1	88.4	89.3	90.3	92.6	92.9	94.5	95.2	95.2	96.4	96.8	98.4	98.7
IV 100	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0
IV 0	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS



2

11558-4432

1226

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	PATIENT RIVER, MARYLAND	72-92	YEARS	200
CLASS				MONTH
CONDITION				10
				HOURE (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.0	1.0	1.0								7.0	3.5
NNE	1.0	1.0	2.0	.6								1.0	7.0
NE	1.0	.0	.0									0.0	4.0
ENE	1.0	.0		.3								1.0	5.0
E	1.0	1.0		.3								3.0	4.1
ESE	.0	.0	.0									1.0	6.0
SE	1.0				.0							1.0	6.0
SSE	1.0	2.0	2.0	1.0								4.0	6.0
S	1.0	5.0	1.0	.6								10.0	5.1
SSW	1.0	1.0	.0	1.0	.0							5.0	6.0
SW	1.0	1.0	1.0	1.0								6.1	7.0
WSW	.0	.0	1.0	.3								2.0	6.0
W	.0	1.0	1.0		.0							3.0	6.0
WNW	.0	.0	1.0	1.0	.0	.0						4.0	12.0
NW	1.0	.0	2.0	1.0	.6	.0						6.0	10.1
NNW	2.0	3.0	3.0	1.0								11.0	6.0
VARBL													
CALM												16.0	
	22.0	24.0	20.0	12.0	.0	.0						10.0	5.0

TOTAL NUMBER OF OBSERVATIONS

270

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1721

STATION NAME
PATUXENT RIVER, MARYLAND

73-92

YEARS

MAC
MONTH

13

NOVEMBER 1971

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.6	41.0	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	1.6	50.0	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	1.6	50.3	53.9	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 16000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 12000	1.6	51.6	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	1.6	59.4	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	1.6	59.7	64.8	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	1.6	61.0	66.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000	1.6	61.9	67.7	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	1.6	62.6	68.4	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	1.6	65.2	71.0	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500	1.6	66.5	72.6	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	1.6	71.3	78.1	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500	1.6	71.9	78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	1.6	72.6	79.4	82.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1800	1.6	73.2	80.0	83.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	1.6	73.6	80.3	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	1.6	73.9	81.3	84.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	1.6	74.2	81.3	85.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	1.6	74.2	81.3	85.5	88.4	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 800	1.6	74.2	81.3	86.1	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	1.6	74.2	81.6	86.5	90.3	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 600	1.6	74.8	81.9	86.8	91.0	92.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 500	1.6	74.8	81.9	86.8	91.0	93.6	93.9	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

E
2

7086-112

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1977	PATIENT RIVER, MARYLAND	73-92	DEC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			22
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	1.0	1.0								6.5	5.1
NNE	.7	3.2	.4	.3								4.5	6.4
NE	1.0	1.0	1.3	.3								3.4	6.3
ENE	2.3	.6	1.0									3.9	4.3
E	1.0	1.3	.3	.3								2.0	4.9
ESE	.7	.6										1.0	3.7
SE	1.0		1.0									2.3	5.3
SSE	1.0	1.0	1.0	.3								3.0	5.4
S	1.0	2.0	1.0	1.0								7.0	6.2
SSW	1.0	2.3	3.6	.6								7.8	6.7
SW	2.3	1.3	2.3	1.0	.3							6.1	7.7
WSW	1.0	.4	1.0	.3	.3							5.0	5.1
W	1.0	1.0	1.3	.3								3.0	5.8
WNW	1.0	1.0	.6	2.0	.6							6.5	9.9
NW	1.0	2.3	1.0	2.0	.3							5.4	7.9
NNW	1.0	3.2	5.0	1.0								11.7	7.1
VARBL													
CALM												12.3	
	22.7	24.6	25.6	13.3	1.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

15721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.9	43.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	1.0	52.9	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	1.0	53.9	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.0	54.8	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	1.0	57.4	59.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	1.0	57.7	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	1.0	61.3	63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	1.0	63.6	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	1.0	64.2	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	1.3	65.5	68.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	1.3	68.4	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	1.3	70.3	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	1.3	71.6	74.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	1.6	77.1	80.3	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	1.6	78.1	81.3	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	1.6	78.1	81.6	84.5	84.8	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	1.6	78.4	81.9	84.8	85.2	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	1.6	78.7	82.3	85.2	85.8	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8
≥ 1200	1.6	78.7	82.3	85.5	86.1	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7
≥ 1000	1.6	79.4	83.2	86.5	87.1	88.1	88.4	88.4	88.4	89.0	89.0	89.0	89.4	89.4	89.4	89.4
≥ 900	1.6	79.7	83.9	87.1	88.1	89.4	89.7	89.7	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7
≥ 800	1.6	79.7	83.9	87.4	88.7	90.3	90.7	90.7	90.7	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 700	1.6	80.0	84.2	88.7	90.7	92.9	93.9	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2
≥ 600	1.6	80.3	84.5	89.0	91.0	93.2	94.2	94.5	94.5	95.2	95.2	95.2	95.5	95.5	95.5	95.5
≥ 500	1.6	80.3	84.5	89.0	91.3	93.6	94.8	95.2	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 400	1.6	80.7	84.9	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4
≥ 300	1.6	80.7	84.9	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.4	97.4	97.7	98.1
≥ 200	1.6	80.7	84.9	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	99.7
≥ 100	1.6	80.7	84.9	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0
≥ 0	1.6	80.7	84.9	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

E
2

74064432

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1772: PATUXENT RIVER, MARYLAND 73-82

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

ALL
EARTH

ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.1	.6	.5	.0						6.5	6.3
NNE	.9	2.2	1.5	.3	.0							5.2	6.1
NE	.7	1.8	1.7	.2	.0		.0					3.8	5.9
ENE	.8	1.3	.6	.2	.0	.0						3.1	5.6
E	.0	1.6	.0	.2	.0	.0	.0					3.5	5.6
ESE	.6	1.5	.0	.1	.0	.0						3.1	5.7
SE	.3	2.1	2.1	.6	.0	.0						5.7	6.8
SSE	1.0	2.4	2.4	1.0	.0	.0						6.0	7.1
S	0.1	3.0	2.0	.7	.0	.0						7.8	6.0
SSW	1.2	1.8	2.0	1.1	.1	.0						6.1	7.2
SW	.9	1.8	2.2	1.3	.1	.0	.0					6.3	7.7
WSW	.0	1.4	1.7	.8	.1	.0						4.9	7.5
W	1.0	2.2	1.6	.7	.1	.0	.0					6.2	6.5
WNW	1.3	1.0	1.7	1.3	.3	.1	.0	.0				6.5	7.8
NW	1.7	2.1	2.2	2.0	.3	.0	.0					7.9	8.2
NNW	1.5	2.6	2.7	1.1	.1	.0	.0					8.0	7.1
VARIABLE													
CALM												8.4	
	17.8	32.1	27.8	12.4	1.3	.0	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 29197

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

MAP
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	.3	48.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
≥ 20000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 18000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 16000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 14000	.3	55.5	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
IV 12000	.3	56.3	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
IV 10000	.3	60.3	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
IV 9000	.3	60.3	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
IV 8000	.3	65.8	68.1	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
IV 7000	.3	67.1	69.4	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0
IV 6000	.3	67.7	70.0	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 5000	.3	69.0	71.6	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2
IV 4500	.3	71.0	73.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
IV 4000	.3	73.9	77.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
IV 3500	.3	74.5	77.7	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.4
IV 3000	.3	76.8	80.3	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
IV 2500	.3	77.7	81.9	82.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5
IV 2000	.3	78.7	83.6	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5
IV 1800	.3	78.7	83.6	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8
IV 1500	.3	79.0	84.2	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7
IV 1200	.3	79.0	84.5	86.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
IV 1000	.3	79.7	85.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
IV 900	.3	79.7	85.5	87.7	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
IV 800	.3	80.3	86.5	88.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
IV 700	.3	81.0	87.1	89.7	92.3	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 600	.3	81.0	87.1	90.3	92.9	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2
IV 500	.3	81.0	87.1	90.3	93.6	93.9	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.5
IV 400	.3	81.0	87.1	90.3	93.9	94.5	95.5	95.8	95.8	95.8	96.5	96.5	96.5	96.8	96.8	97.1
IV 300	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.4	97.4	97.7
IV 200	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.4	97.4	97.4	97.7	97.7	98.4
IV 100	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.4	98.7	99.7
IV 0	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS



2

14484437

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17701
STATIONPATMAENT RIVER, MARYLAND
STATION NAME73-82
YEARSALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.7	4.3	1.3	.0							11.5	6.6
NNE	1.7	3.9	4.2	1.1	.0							10.9	6.7
NE	1.3	2.2	2.2	.8	.0		.0					7.3	6.6
ENE	1.1	2.3	2.2	.7	.1							6.5	5.7
E	1.0	2.2	1.0	.7	.2	.0	.0					6.5	6.8
ESE	.8	2.1	1.4	.3	.0	.0						4.7	6.2
SE	.0	2.0	2.4	.6	.1	.0						6.1	7.0
SSE	.8	1.8	1.6	1.2	.1	.0						5.3	7.8
S	1.0	1.9	1.2	.8	.2	.0						5.2	7.2
SSW	.6	1.4	1.3	.8								4.1	7.2
SW	.6	1.0	1.0	.6	.1							3.3	7.4
WSW	.0	.6	1.0	.3	.1	.0						2.6	7.3
W	1.3	1.0	1.0	.2	.1							4.5	5.5
WNW	1.1	1.3	.6	.2	.0			.0				3.2	5.5
NW	1.2	1.3	1.5	.6	.1	.0						4.3	7.0
NNW	1.2	1.0	1.0	.2								5.1	5.9
VARB													
CALM												8.1	
	17.4	32.6	29.7	10.4	1.3	.2	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

3079

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARMAR
MONTH22
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		58.1	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		68.4	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		69.4	71.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000		70.3	72.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		72.3	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500		73.9	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000		75.8	78.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		76.8	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000		77.1	79.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		80.3	83.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800		80.7	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500		81.9	85.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200		82.3	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000		82.9	87.7	90.0	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900		82.9	87.7	91.0	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		82.9	88.1	91.3	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700		82.9	88.1	91.6	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600		83.2	89.0	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		83.2	89.0	93.6	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400		83.2	89.0	93.6	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300		83.2	89.0	93.6	94.5	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	98.4	98.4	98.4	98.4
≥ 100		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	99.7
≥ 0		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.



CEILING VERSUS VISIBILITY

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSAPR
MONTH01
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7
≥ 20000	64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 18000	64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 14000	64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 14000	64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 12000	65.0	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3
IV 10000	69.7	71.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7
IV 9000	70.0	72.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0
IV 8000	75.0	77.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.3
IV 7000	76.0	78.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
IV 6000	77.3	79.3	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	81.7
IV 5000	79.0	81.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7
IV 4500	80.0	82.3	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.3
IV 4000	82.0	84.3	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3
IV 3500	82.7	85.0	87.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7
IV 3000	84.7	87.3	89.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0
IV 2500	85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
IV 2000	85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
IV 1800	85.3	88.0	90.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7
IV 1500	86.3	89.3	91.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3
IV 1200	86.7	89.7	92.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.3	94.3
IV 1000	87.7	91.0	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3	96.3
IV 900	87.7	91.0	94.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7
IV 800	88.0	91.3	94.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.0	97.0
IV 700	88.3	91.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3
IV 600	88.3	91.7	95.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	97.7
IV 500	88.3	91.7	95.0	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
IV 400	88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
IV 300	88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
IV 200	88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
IV 100	88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.7	100.0
IV 0	88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-72
YEARS

APR

MONTH

74

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.3	67.3	61.3	62.0	62.3	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	62.7	65.0	66.0	66.7	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	72.7	75.3	76.7	78.0	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	73.7	76.3	77.7	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000	74.0	76.7	78.0	79.3	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	75.7	78.3	79.7	81.0	81.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	76.0	78.7	80.0	81.3	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	77.7	80.3	81.7	83.3	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	79.3	82.3	83.7	85.3	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	81.0	84.3	86.0	87.7	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	82.3	86.0	88.0	89.7	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	82.7	86.7	89.0	90.7	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	83.3	88.0	90.7	92.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	83.3	88.0	91.0	92.0	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	83.7	89.0	92.0	94.0	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	83.7	89.0	92.0	94.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	84.0	89.3	92.3	94.7	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	84.3	90.3	93.3	95.7	97.0	97.0	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	84.3	90.3	93.7	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

2
7225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721 STATION PATUXENT RIVER, MARYLAND 73-90 YEARS JAN NORTH 01 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	.3	50.7	51.1	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.8	51.3	51.5	51.8	51.8
IV 30000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 18000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 16000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 14000	.3	54.7	55.3	55.3	55.7	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3
IV 12000	.3	55.3	56.0	56.0	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0
IV 10000	.3	58.9	59.9	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.8
IV 9000	.3	59.6	60.5	60.5	60.8	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5
IV 8000	.3	60.0	60.8	60.8	61.2	61.5	61.5	61.5	61.5	61.5	61.8	61.8	61.8	61.8	61.8
IV 7000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 6000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 5000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 4500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 4000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 3500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 3000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 2500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 2000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1800	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1200	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 1000	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 900	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 800	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 700	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 600	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 500	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 400	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 300	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 200	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 100	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5
IV 0	.3	60.8	61.5	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5

TOTAL NUMBER OF OBSERVATIONS 279

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSAPR
MONTH07
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.7	56.3	56.7	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000		59.3	63.3	64.0	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000		61.7	65.7	66.3	67.0	67.7	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000		62.3	66.3	67.0	67.7	68.3	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		69.0	73.3	74.3	75.3	76.0	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000		70.3	74.7	75.7	76.7	77.3	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000		72.0	76.3	77.3	78.3	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		72.3	76.7	78.3	80.0	80.7	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500		73.0	77.3	79.0	81.0	81.7	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000		74.7	79.0	81.3	83.3	84.0	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500		75.3	79.3	82.0	84.0	84.7	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000		75.7	80.0	83.0	85.0	85.7	86.3	86.3	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		76.3	80.7	84.3	86.3	87.0	87.7	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000		77.0	81.7	85.3	87.3	88.0	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		77.3	82.0	85.7	87.7	88.3	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		78.0	83.0	86.7	88.7	89.3	90.0	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		78.0	83.3	87.7	89.7	90.3	91.0	91.0	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 900		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 800		78.7	84.3	88.7	91.7	92.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700		78.7	84.3	88.7	91.7	93.0	94.0	94.0	94.0	94.3	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600		78.7	85.7	89.3	92.3	93.7	94.7	95.0	95.3	95.7	96.0	96.0	96.0	96.0	96.3	96.3
≥ 500		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 400		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 300		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.3	97.3	97.3	97.7	98.0
≥ 200		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.0	99.3
≥ 100		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0
≥ 0		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1 731

PATENT RIVER, MARYLAND

STATION NAME

73-72

YEARS

JAN

MONTH

07

HOURS LST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	40.1	44.5	44.5	44.8	44.3	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 18000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 16000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 14000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 12000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 10000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 9000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 8000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 7000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 6000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 5000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 4500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 4000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 3500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 3000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 2500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 2000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1800	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1200	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 1000	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 900	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 800	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 700	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 600	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 500	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 400	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 300	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 200	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 100	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 0	40.1	51.9	51.9	52.6	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

312

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.3	57.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	1.3	53.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	1.3	64.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	1.3	65.7	66.7	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	1.3	69.0	70.0	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	1.3	69.0	70.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	1.3	75.3	77.0	77.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	1.3	75.3	77.3	77.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 6000	1.3	76.7	78.3	78.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	1.3	79.0	81.0	81.3	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	1.3	79.3	81.3	81.7	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	1.3	81.0	83.0	83.7	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	1.3	81.3	83.3	84.0	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	1.3	82.7	84.7	86.0	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	1.3	83.3	85.3	87.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	1.7	85.7	87.7	89.3	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	1.7	86.7	88.7	90.3	92.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1000	1.7	87.7	89.7	90.7	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	1.7	87.0	89.0	91.0	92.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	1.7	87.0	89.3	91.3	93.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	1.7	87.3	89.7	91.7	93.3	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	1.7	87.7	90.0	92.0	94.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	1.7	87.7	90.0	92.7	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	1.7	87.7	90.0	92.7	95.3	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.7	98.7	99.0	99.0
IV 300	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	99.7
IV 200	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	100.0
IV 100	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	100.0
IV 0	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

73-11

YEARS

MONTH

13

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	.7	41.6	43.0	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	.7	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 18000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 16000	.3	48.7	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 14000	.3	49.7	51.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 12000	.3	50.0	52.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 10000	.3	52.6	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	.3	53.2	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 8000	.3	57.7	61.7	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	.3	59.7	62.3	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000	.3	59.7	62.9	64.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 5000	.3	61.6	64.8	66.5	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	.7	65.2	68.4	70.7	71.9	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	.7	68.1	71.3	73.6	74.8	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	.7	66.1	71.6	74.5	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	.7	69.7	73.2	76.1	78.1	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500	.7	70.0	73.6	76.5	78.4	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2000	.7	70.7	74.2	77.1	79.0	79.4	80.7	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3
IV 1800	.7	71.0	74.5	77.4	79.4	79.7	81.0	81.3	81.3	81.6	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	.7	71.0	74.8	77.7	80.7	81.0	81.9	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 1200	.7	71.0	75.5	78.4	81.0	81.6	82.9	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 1000	.7	71.0	75.9	78.3	81.6	82.9	83.6	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 900	.7	71.9	75.9	80.7	84.5	85.2	86.8	87.7	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4
IV 800	.7	71.9	75.9	80.7	84.5	85.5	87.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	.7	72.3	76.5	81.6	85.1	87.1	89.7	90.3	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	.7	72.6	76.9	81.9	85.6	87.7	89.4	91.0	91.0	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	.7	72.9	77.4	83.2	86.1	88.4	91.3	92.9	92.9	93.6	94.2	94.2	94.5	94.5	94.5	94.5
IV 400	.7	72.9	77.4	83.2	86.1	88.4	91.6	93.2	93.2	94.2	94.8	94.8	95.2	95.2	95.2	95.2
IV 300	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	95.2	95.8	95.8	96.5	96.5	96.5	96.5
IV 200	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	95.8	96.8	96.8	98.4	98.4	98.4	98.4
IV 100	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.0	99.0
IV 0	.7	73.2	77.7	83.6	86.7	89.0	92.6	94.2	94.2	96.1	97.1	97.1	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATUXENT RIVER, MARYLAND

73-

YEARS

AP

MONTH

13

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	1.3	52.4	53.5	53.5	52.8	43.5	53.0	53.9	57.0	53.9	53.0	53.9	57.9	53.9	53.9	53.0
≥ 20000	1.3	52.2	62.9	63.2	63.2	43.2	63.6	43.6	62.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	1.3	62.2	62.9	63.2	63.2	43.2	63.6	43.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 16000	1.3	62.2	62.9	63.2	63.2	43.2	63.6	43.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	1.3	62.9	63.6	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 12000	1.3	64.2	65.2	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	1.3	67.2	68.2	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 9000	1.3	67.9	68.9	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	1.3	70.6	72.9	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	1.3	71.2	74.3	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	1.3	72.2	75.3	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	1.3	74.9	76.6	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	1.3	75.9	79.6	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	1.3	78.6	82.3	83.3	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	1.3	79.3	82.9	84.0	84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	1.7	83.3	87.0	88.0	88.6	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2500	1.7	85.0	88.6	90.0	90.6	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	1.7	85.3	89.0	90.6	91.6	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	1.7	85.6	89.3	91.0	92.0	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	1.7	86.6	90.3	92.6	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	1.7	87.6	91.3	93.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	1.7	87.6	91.6	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	1.7	87.6	91.6	94.7	96.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 10001 PATENT RIVER, MARYLAND

73-81

YEARS

JAN

MONTH

17

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	.7	41.7	41.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	.7	47.9	48.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 18000	.7	48.5	48.8	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	.7	48.5	49.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	.7	48.8	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	.7	49.2	50.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000	1.0	54.7	56.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 9000	1.0	55.2	57.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	1.0	60.7	63.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 7000	1.1	64.1	67.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	1.1	64.1	67.7	68.6	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	1.1	65.7	68.6	71.6	71.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4500	1.1	66.3	68.9	72.2	72.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	1.1	66.3	72.5	75.1	75.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	1.1	69.5	73.1	75.7	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	1.1	73.1	76.7	79.3	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	1.1	74.7	77.6	81.2	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2000	1.1	75.4	78.6	82.5	83.5	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	1.1	75.7	78.9	82.9	83.8	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500	1.1	76.4	81.6	84.8	85.2	86.1	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	1.1	77.2	82.5	85.8	86.7	87.1	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	1.1	77.4	82.9	86.1	87.1	87.4	87.4	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	1.1	77.4	82.9	86.1	87.1	87.4	87.4	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	1.1	77.4	82.9	86.4	87.7	88.0	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 700	1.1	77.4	83.2	86.7	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 600	1.1	77.4	83.2	86.7	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 500	1.1	77.4	83.2	86.7	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 400	1.1	77.4	83.5	87.1	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 300	1.1	77.4	83.5	87.1	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 200	1.1	77.4	83.5	87.1	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 100	1.1	77.4	83.5	87.1	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 0	1.1	77.4	83.5	87.1	87.7	88.4	89.3	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 71

PATIENT RIVER, MARYLAND

73-72

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	1.7	51.7	52.7	52.7	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 18000	1.7	51.7	52.7	52.7	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 16000	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 14000	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000	1.7	52.7	54.0	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	1.7	54.7	56.3	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 9000	1.7	55.0	56.7	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	1.7	58.3	70.3	71.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	1.7	58.7	71.7	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	1.7	58.7	71.7	73.0	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000	1.7	71.3	74.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	1.7	73.3	77.0	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	1.7	77.3	81.0	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	1.7	78.7	82.3	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	1.7	82.7	86.7	88.7	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	1.7	83.7	87.7	89.7	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	1.7	85.3	89.7	92.3	93.3	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	1.7	85.7	90.3	93.0	94.0	94.7	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	1.7	85.7	91.0	94.7	96.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	1.7	85.7	91.3	95.0	96.7	98.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 200	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT POWER, NARYLSIC

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	48.1	48.2	48.5	48.7	48.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	1.0	53.1	54.7	55.3	55.3	55.3	55.3	55.3	55.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	1.0	53.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	1.0	53.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	1.0	54.1	55.7	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	1.0	55.2	56.4	57.3	57.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 10000	1.0	58.6	58.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 9000	1.0	58.6	60.8	61.2	61.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	1.0	58.6	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000	1.0	53.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 6000	1.0	54.4	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 5000	1.0	56.7	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 4500	1.0	67.3	69.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	1.0	66.3	70.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	1.0	69.9	70.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	1.0	73.0	70.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2500	1.0	74.0	70.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 2000	1.0	76.1	70.9	82.2	83.5	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	1.0	76.1	70.9	83.2	83.5	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1500	1.0	77.4	80.9	83.8	83.4	83.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1200	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1000	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 800	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 700	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 600	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 500	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 400	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 300	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 200	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 100	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 0	1.0	77.4	80.9	83.8	83.8	83.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10721
STATIONPATUENT RIVER, MARYLAND
STATION NAME73-72
YEARSAPR
MONTH19
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	.3	53.3	57.7	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
18000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
16000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
14000	.3	61.7	62.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
12000	.3	62.3	64.0	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
10000	.3	66.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
9000	.3	66.3	68.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
8000	.3	71.3	73.3	75.0	75.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
7000	.3	72.3	74.7	76.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
6000	.3	73.3	75.3	77.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
5000	.3	73.7	76.0	77.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
4500	.3	76.0	78.3	80.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
4000	.3	78.3	80.7	82.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
3500	.3	78.7	81.0	82.7	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
3000	.3	81.3	85.0	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2500	.3	82.0	85.7	87.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2000	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1500	.3	83.7	88.0	90.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1200	.3	84.3	88.7	91.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1000	.3	84.7	89.0	92.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	.3	84.7	89.0	92.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800	.3	84.7	89.3	93.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
700	.3	84.7	89.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
600	.3	84.7	89.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
500	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
400	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
300	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
200	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
100	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
0	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

390

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DETACHMENT FIVE, REOYLAND

73-1

YEARS

JAN

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	51.7	12.5	57.5	12.5	57.5	12.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 14000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 12000	7.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	7.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	1.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 8000	4.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	4.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 6000	6.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 5000	6.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1800	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1200	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1000	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 900	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 800	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 700	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 600	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 500	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 400	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 300	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 200	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 100	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 0	7.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1

TOTAL NUMBER OF OBSERVATIONS

71

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-42
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 16000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 14000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000	67.7	69.3	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	76.0	77.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	77.0	78.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	77.3	79.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	79.0	80.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	80.3	82.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	81.7	83.3	84.7	85.7	85.7	85.7	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	82.0	84.0	85.3	86.3	86.3	86.3	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	84.0	86.0	87.7	88.7	88.7	88.7	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	84.7	86.7	88.7	89.7	89.7	89.7	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2000	85.3	87.3	90.0	91.3	91.3	91.3	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	85.7	87.7	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	87.3	90.0	93.3	94.7	94.7	94.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	87.3	90.0	93.3	94.7	94.7	94.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	87.3	90.0	93.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3
IV 900	87.3	90.0	93.3	95.7	95.7	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	87.3	90.0	93.3	95.7	96.0	96.0	96.0	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	87.7	90.3	94.0	96.0	96.7	96.7	96.7	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	87.7	90.3	94.3	96.3	97.0	97.0	97.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	88.0	90.7	94.7	96.7	97.3	97.3	97.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	88.0	90.7	94.7	97.0	98.0	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	88.0	90.7	94.7	97.0	98.0	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	88.0	90.7	94.7	97.0	98.0	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	88.0	90.7	94.7	97.0	98.0	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	88.0	90.7	94.7	97.0	98.0	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 177-1 PATENT OFFICE, MARYLAND 73-17 YEARS JAN NORTH 72 HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	53.2	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	57.1	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	57.7	58.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 10000	61.2	63.2	63.6	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000	62.3	63.6	63.9	63.9	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 8000	68.1	69.4	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 7000	68.7	70.0	70.7	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 6000	69.4	70.7	71.3	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 5000	70.7	71.9	72.6	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	71.9	73.2	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	73.2	74.5	75.2	75.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	73.2	75.5	76.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	75.5	76.1	76.8	76.8	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2500	76.1	76.7	77.4	77.4	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2000	77.7	78.3	79.0	79.0	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	77.7	78.3	79.0	79.0	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1500	78.3	79.0	79.6	79.6	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 1200	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1000	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 900	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 800	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 700	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 600	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 500	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 400	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 300	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 200	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 100	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 0	79.6	80.3	80.9	80.9	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSAPR
MONTHALL
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	.6	55.7	57.0	57.3	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	.6	62.5	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4
≥ 14000	.6	62.7	64.4	64.9	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	.6	63.7	65.5	66.1	66.5	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9
≥ 10000	.6	67.1	69.1	69.9	70.4	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9
≥ 9000	.6	67.4	69.5	70.2	70.7	70.9	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2
≥ 8000	.6	72.3	74.6	75.6	76.4	76.6	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0
≥ 7000	.6	73.1	75.7	76.7	77.5	77.7	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1
≥ 6000	.6	73.9	76.5	77.5	78.4	78.6	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0
≥ 5000	.6	75.6	78.4	79.5	80.5	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1
≥ 4500	.6	76.7	79.6	80.8	81.8	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5
≥ 4000	.6	78.9	81.7	83.2	84.4	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.1
≥ 3500	.6	79.6	82.5	84.0	85.2	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	.7	81.9	85.1	86.9	88.3	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2
≥ 2500	.7	82.7	86.0	88.0	89.3	89.7	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	.7	83.4	86.7	88.9	90.4	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.5
≥ 1800	.7	83.6	86.9	89.1	90.6	91.0	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6
≥ 1500	.7	84.4	88.0	90.5	92.0	92.5	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1
≥ 1200	.7	84.8	88.5	91.2	92.8	93.3	93.6	93.7	93.7	93.8	93.9	93.9	93.9	93.9	94.0
≥ 1000	.7	85.2	89.2	92.2	94.0	94.6	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.4
≥ 900	.7	85.2	89.2	92.5	94.3	95.0	95.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.8
≥ 800	.7	85.3	89.5	92.8	94.8	95.5	95.9	95.9	95.9	96.1	96.2	96.2	96.2	96.3	96.4
≥ 700	.7	85.4	89.6	93.0	95.1	96.0	96.6	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.1
≥ 600	.7	85.5	89.9	93.3	95.4	96.4	97.0	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.6
≥ 500	.7	85.7	90.2	93.7	95.9	97.0	97.6	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.3
≥ 400	.7	85.7	90.3	93.8	96.3	97.5	98.1	98.2	98.2	98.5	98.6	98.6	98.7	98.7	98.9
≥ 300	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.8	98.9	99.0	99.0	99.3
≥ 200	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.9	99.0	99.2	99.3	99.5
≥ 100	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7
≥ 0	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-12
YEARSJAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (15 T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	48.2	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	53.2	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	53.2	54.4	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	53.3	54.6	55.1	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	54.0	55.4	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	57.7	59.4	60.0	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	57.7	59.3	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	63.3	65.1	65.6	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	65.1	67.0	67.8	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	65.5	67.5	68.3	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	67.0	68.9	69.8	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	68.7	70.9	72.1	72.6	72.8	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4000	70.4	72.7	74.2	74.8	75.0	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	71.1	73.6	75.2	75.9	76.2	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 3000	73.1	75.9	77.6	78.6	78.8	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5
≥ 2500	74.0	76.9	78.6	79.8	80.0	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.8
≥ 2000	75.1	78.2	80.2	81.3	81.5	82.1	82.3	82.3	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	75.3	78.4	80.5	81.5	81.8	82.4	82.6	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	83.0
≥ 1500	76.1	79.3	81.6	82.9	83.2	83.9	84.1	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.5	84.5
≥ 1200	76.5	79.9	82.2	83.7	84.0	84.7	84.9	84.9	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.4
≥ 1000	76.8	80.3	83.2	84.9	85.4	86.4	86.6	86.6	86.6	87.0	87.1	87.1	87.1	87.1	87.1	87.2
≥ 900	76.9	80.4	83.4	85.4	86.0	86.9	87.2	87.2	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.9
≥ 800	77.0	80.6	83.9	86.2	86.8	87.8	88.2	88.3	88.3	88.8	88.9	88.9	88.9	88.9	88.9	89.0
≥ 700	77.2	80.9	84.5	87.0	87.7	88.7	89.1	89.2	89.2	89.8	89.9	89.9	89.9	89.9	89.9	90.0
≥ 600	77.4	81.2	84.8	87.6	88.3	89.5	90.0	90.1	90.1	90.8	90.9	90.9	90.9	91.0	91.0	91.1
≥ 500	77.6	81.5	85.3	88.5	89.3	91.0	91.6	91.7	91.7	92.4	92.7	92.7	92.7	92.8	92.9	93.0
≥ 400	77.6	81.7	85.5	89.1	90.4	92.0	92.9	92.9	92.9	93.8	94.2	94.2	94.2	94.6	94.6	94.9
≥ 300	77.7	81.7	85.7	89.5	90.9	92.9	94.1	94.7	94.7	95.5	95.9	95.9	95.9	96.5	96.6	96.9
≥ 200	77.7	81.7	85.7	89.5	90.9	93.1	94.3	94.5	94.5	95.9	96.5	96.6	96.6	97.5	97.7	98.1
≥ 100	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	94.6	96.2	96.8	96.8	96.8	98.1	98.3	98.9
≥ 0	77.7	81.7	85.7	89.5	90.9	93.1	94.4	94.6	94.6	96.2	96.8	96.8	96.8	98.1	98.3	98.9

TOTAL NUMBER OF OBSERVATIONS

2476

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.2	54.4	56.6	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000		4.7	62.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 18000		54.7	62.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4
≥ 16000		54.7	62.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4	64.4

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
711STATION NAME
PATUXENT RIVER, MARYLAND

73-52

YEARS

FEET
NORTH

24

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	53.2	54.3	54.6	54.6	54.6	54.6	55.0	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	52.5	57.6	61.7	62.1	62.1	62.1	62.1	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 18000	52.9	61.7	62.1	62.4	62.4	62.4	62.4	62.7	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 16000	55.9	61.7	62.1	62.4	62.4	62.4	62.4	62.8	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 14000	59.2	61.4	62.4	62.8	62.8	62.8	62.8	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 12000	59.2	62.1	63.1	63.5	63.5	63.5	63.5	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	64.2	67.0	68.1	68.4	68.4	68.4	68.4	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 9000	64.0	67.4	68.4	68.8	68.8	68.8	68.8	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	66.4	71.3	72.3	72.7	73.1	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 7000	66.4	71.3	72.3	72.7	73.1	73.1	73.1	73.4	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	69.2	72.3	73.1	73.4	73.8	73.8	73.8	74.1	74.1	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	70.2	73.4	74.5	74.8	75.2	75.2	75.2	75.5	75.5	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4500	71.3	74.5	75.5	75.9	76.2	76.2	76.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	72.0	75.2	76.6	77.0	77.3	77.3	77.3	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	73.1	76.2	77.7	78.0	78.4	78.4	78.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	73.3	77.7	79.1	79.4	79.8	79.8	79.8	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	74.3	78.7	80.1	80.9	81.2	81.6	81.6	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	75.9	80.5	81.9	82.6	83.3	83.7	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	75.9	80.5	81.9	82.6	83.3	83.7	83.7	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	76.2	81.2	82.6	83.3	84.0	84.4	84.4	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	77.1	81.9	83.3	84.4	85.1	85.5	85.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1000	77.3	82.3	83.7	84.8	85.5	86.2	86.2	86.5	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 900	77.7	83.3	84.4	85.5	86.2	86.9	86.9	87.9	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	78.7	84.0	85.5	86.5	87.2	87.9	87.9	89.0	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 700	78.7	84.0	85.5	86.5	87.2	87.9	87.9	89.0	89.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 600	79.4	84.8	86.2	87.6	88.3	89.4	89.4	90.4	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 500	79.4	84.8	86.2	87.6	88.3	89.7	89.7	91.1	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 400	79.9	85.1	86.5	87.6	89.4	91.1	91.1	92.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 300	79.3	85.1	86.5	87.6	89.4	91.5	91.5	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 200	79.8	85.1	86.5	89.0	90.1	92.2	92.2	94.3	94.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 100	79.3	85.1	86.5	89.0	90.1	92.2	92.2	94.3	94.3	95.7	95.7	96.1	96.1	97.2	97.5	97.9
IV 0	79.3	85.1	86.5	89.0	90.1	92.2	92.2	94.3	94.3	95.7	95.7	96.1	96.1	97.2	97.5	97.9

TOTAL NUMBER OF OBSERVATIONS

720

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARMAY
MONTH04
HOURS 11.57PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		45.2	50.7	51.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000		51.6	58.1	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000		53.2	60.3	61.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000		53.9	61.0	62.6	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 8000		57.7	65.8	68.1	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000		58.4	66.5	68.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 6000		58.7	66.8	69.0	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000		61.0	69.0	71.6	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4300		61.3	69.7	72.3	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000		62.6	71.3	73.9	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500		62.9	71.6	74.2	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000		63.9	73.6	76.8	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500		64.5	74.2	77.7	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500		64.8	75.2	79.7	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1200		66.1	76.5	81.3	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000		66.1	76.5	82.3	86.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 900		66.5	77.4	83.2	87.4	88.4	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 800		66.5	77.4	83.2	87.4	88.7	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
IV 700		66.5	77.4	83.2	87.7	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IV 600		67.1	78.1	84.2	89.0	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 500		67.1	78.7	85.2	90.7	92.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
IV 400		67.1	79.4	85.8	92.3	94.2	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 300		67.1	79.7	86.1	93.2	95.8	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
IV 200		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.4	98.7	99.0	99.0	99.4	99.4	99.4
IV 100		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.4	98.7	99.0	99.4	99.7	99.7	99.7
IV 0		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.4	98.7	99.0	99.4	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14721

PATUXENT RIVER, MARYLAND

72-73

YEARS

FEB

MONTH

77

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	50.7	50.4	51.1	52.1	52.8	53.2	53.6	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	55.7	56.4	57.8	58.9	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	57.5	59.5	59.9	61.4	62.1	62.4	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 10000	61.0	62.8	64.2	65.6	66.3	66.7	67.0	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	61.4	63.1	64.5	66.0	66.7	67.0	67.4	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	64.2	66.7	68.4	69.9	70.9	71.3	71.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	65.6	68.4	70.2	71.6	72.7	73.1	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	66.0	68.8	70.6	72.0	73.1	73.4	73.8	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 5000	66.3	69.2	70.9	72.3	73.4	73.8	74.1	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	67.7	70.6	72.3	73.8	74.8	75.2	75.5	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	69.5	72.3	74.1	76.2	77.3	77.7	78.0	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3000	70.2	73.1	74.8	77.3	78.7	79.4	79.8	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2500	70.2	73.1	74.8	77.7	79.4	80.1	80.5	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	71.3	74.1	75.9	78.7	80.5	81.2	81.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	72.0	74.8	77.0	79.8	81.6	82.3	82.6	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	72.7	75.5	78.0	81.2	83.0	83.7	84.0	84.4	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	72.7	75.5	78.4	81.6	83.3	84.4	84.8	85.1	86.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	73.1	75.9	78.7	81.9	83.7	84.8	85.1	85.5	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 800	73.4	76.2	79.1	82.3	84.0	85.1	85.5	86.2	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 700	73.4	76.2	79.1	82.3	84.0	85.1	85.5	86.2	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	73.4	76.6	79.4	82.6	84.8	86.2	86.9	87.6	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 500	73.4	76.6	79.8	83.3	85.8	87.6	88.3	89.0	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 400	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 300	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 200	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 100	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 0	73.4	76.6	80.1	83.7	86.5	88.7	89.0	89.7	91.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIYENT RIVER, MARYLAND

STATION NAME

73-92

YEAR

MAY

MONTH

07

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	44.2	44.2	47.7	47.7	50.0	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.3	51.3	51.3	51.3
≥ 20000	44.2	51.7	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
IV 18000	44.2	51.7	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
IV 16000	44.2	51.7	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
IV 14000	45.2	51.3	54.8	56.8	57.4	57.7	58.1	58.1	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0
IV 12000	45.5	51.6	55.2	57.1	57.7	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4
IV 10000	47.7	54.8	59.0	61.0	61.6	61.9	62.3	62.3	62.9	62.9	62.9	62.9	63.2	63.2	63.2	63.2
IV 9000	48.4	55.5	60.0	61.9	62.6	62.9	63.2	63.2	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.2
IV 8000	50.7	57.7	63.6	65.5	66.1	66.5	66.8	66.8	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7
IV 7000	51.0	58.1	63.9	65.8	66.5	66.8	67.1	67.1	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1
IV 6000	51.0	58.1	63.9	66.1	66.8	67.1	67.4	67.4	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4
IV 5000	51.0	58.1	64.2	66.5	67.1	67.7	68.1	68.1	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0
IV 4500	51.6	58.7	64.8	67.1	68.4	69.0	69.4	69.4	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3
IV 4000	52.7	60.0	66.5	68.7	70.3	71.0	71.3	71.3	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.3
IV 3500	52.9	60.0	66.8	69.0	71.0	71.6	71.9	71.9	72.6	72.6	72.6	72.6	72.9	72.9	72.9	72.9
IV 3000	53.4	61.0	68.1	70.7	73.2	73.9	74.2	74.2	74.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2
IV 2500	54.5	61.9	69.4	71.9	74.5	75.2	75.5	75.5	76.1	76.1	76.1	76.1	76.5	76.5	76.5	76.5
IV 2000	55.2	62.6	70.0	72.6	75.2	75.8	76.5	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4
IV 1800	55.2	62.6	70.3	73.6	76.1	76.8	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 1600	55.2	62.6	70.3	73.6	76.1	76.8	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 1400	55.4	63.2	71.6	75.2	77.7	78.4	79.7	79.7	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7
IV 1200	56.5	63.9	72.6	76.5	79.7	80.3	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 1000	56.5	63.9	72.6	76.5	79.7	80.3	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 900	56.8	64.2	73.2	77.1	80.3	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6
IV 800	57.1	64.8	74.2	78.7	81.9	82.9	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2
IV 700	57.1	64.8	75.2	80.7	83.9	85.2	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7
IV 600	57.1	64.8	75.2	80.7	84.5	86.1	87.7	87.7	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7
IV 500	57.1	64.8	75.8	82.3	86.9	88.7	90.7	90.7	91.3	91.6	91.6	91.6	91.9	92.3	92.3	92.3
IV 400	57.4	65.2	77.1	84.8	89.4	91.6	93.9	93.9	94.5	95.2	95.2	95.2	95.5	95.8	95.8	95.8
IV 300	57.4	65.2	77.1	85.2	90.0	92.3	94.8	94.8	95.5	96.5	96.5	96.5	96.8	97.1	97.7	97.7
IV 200	57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	99.0	99.0
IV 100	57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0	100.0
IV 0	57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
11701STATION NAME
PATIENT RIVER, MARYLAND

73-92

YEARS

FEB

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	48.2	49.3	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	1.0	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000	1.0	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	1.0	57.5	58.9	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	1.0	58.2	59.6	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 12000	1.0	59.6	61.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	1.0	62.4	64.2	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	1.0	63.1	64.9	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000	1.0	67.7	70.2	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	1.0	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 6000	1.0	69.2	71.6	72.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	1.0	69.5	72.7	73.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	1.0	70.6	73.8	74.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	1.0	71.6	75.2	75.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	1.0	73.1	76.6	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	1.0	75.2	78.7	79.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500	1.0	75.5	79.1	79.8	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	1.0	75.5	79.1	80.1	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1800	1.0	75.5	79.1	80.1	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1500	1.0	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1200	1.0	75.9	79.8	81.2	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1000	1.0	76.6	80.5	81.9	85.1	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 900	1.0	76.6	80.5	81.9	85.1	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 800	1.0	76.6	80.5	82.3	85.8	86.9	87.6	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 700	1.0	77.0	81.2	83.3	86.9	87.9	88.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 600	1.0	77.0	81.6	83.7	87.2	88.7	89.4	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 500	1.0	77.7	81.6	84.0	87.6	89.0	90.4	91.1	91.1	91.8	91.8	91.8	92.6	92.6	92.6	92.9
IV 400	1.0	77.7	81.9	84.4	87.9	89.4	91.1	92.2	92.2	93.3	93.3	93.3	94.0	94.0	94.3	94.7
IV 300	1.0	77.7	81.9	84.4	87.9	89.4	91.1	92.9	92.9	94.7	94.7	94.7	95.4	95.4	95.7	96.1
IV 200	1.0	77.7	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.5	97.5	97.9	98.2
IV 100	1.0	77.7	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	98.9
IV 0	1.0	77.7	81.9	84.4	87.9	89.4	91.5	93.3	93.3	95.4	95.7	95.7	97.9	97.9	98.2	98.0

TOTAL NUMBER OF OBSERVATIONS

252

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1771
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1C
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		42.9	43.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000		49.4	55.5	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000		49.7	55.9	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000		49.7	55.8	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000		50.0	56.1	58.4	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000		50.3	56.5	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		53.6	60.0	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000		53.9	60.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000		56.1	62.6	66.5	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000		57.1	63.9	68.1	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000		57.4	64.2	68.4	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000		57.7	64.5	69.4	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500		58.4	65.2	70.3	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000		59.7	66.5	71.6	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500		60.0	66.8	71.9	73.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000		61.3	69.0	74.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		62.3	70.3	76.5	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000		63.2	71.9	78.4	81.0	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800		63.2	72.3	78.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		63.6	72.9	79.4	81.9	82.6	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1200		64.2	74.2	81.3	83.9	84.5	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000		64.8	76.1	83.6	87.1	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		65.2	76.5	84.2	87.7	88.4	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800		65.5	76.8	84.5	88.4	89.0	90.3	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700		65.8	77.1	85.2	89.7	91.0	92.9	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600		65.8	77.1	85.5	90.3	91.6	93.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		65.8	77.1	85.8	91.0	92.9	96.1	96.5	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400		65.8	77.1	86.1	91.6	93.6	96.3	97.1	97.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7
≥ 300		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.4	98.7	98.7	99.4	99.4	99.4	99.4
≥ 200		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0
≥ 100		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0
≥ 0		65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	98.7	99.0	99.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSFEB
MONTH17
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.0	52.1	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	1.0	60.6	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	1.0	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	1.0	66.7	67.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	1.0	67.4	68.1	68.4	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 8000	1.0	69.5	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 7000	1.0	70.9	72.3	73.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	1.0	71.3	72.7	73.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 5000	1.0	71.6	73.4	74.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 4500	1.0	72.0	74.1	74.8	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	1.0	73.8	76.2	77.0	78.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3500	1.0	74.1	76.6	77.3	78.7	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	1.0	76.2	79.1	79.8	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	1.0	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	1.0	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1800	1.0	76.6	79.4	80.1	82.3	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	1.0	77.7	80.5	81.2	83.3	84.4	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	1.0	79.1	82.3	83.0	85.1	86.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1000	1.0	79.1	82.6	83.3	85.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 900	1.0	79.1	82.6	83.3	86.2	87.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 800	1.0	79.1	82.6	84.4	87.6	89.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 700	1.0	79.1	82.6	84.4	88.3	89.7	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 600	1.0	79.1	82.6	84.4	89.4	90.8	92.3	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	1.0	79.1	82.6	84.4	89.7	91.1	94.7	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	1.0	79.1	82.6	84.8	90.4	91.6	95.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	1.0	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 200	1.0	79.1	82.6	84.8	90.4	91.8	95.7	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100	1.0	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 0	1.0	79.1	82.6	84.8	90.4	91.8	95.7	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

292

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701

PATUXENT RIVER, MARYLAND

73-02

YEARS

MAY
MONTH

13

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		42.6	45.2	46.5	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 16000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 12000		51.6	56.1	58.1	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 10000		53.6	59.0	61.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 9000		53.9	59.4	61.6	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000		56.1	62.6	65.2	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000		56.3	63.2	65.8	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000		57.1	63.4	66.1	68.1	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000		58.1	64.8	67.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4500		58.1	64.8	68.1	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000		59.7	66.8	70.7	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500		60.3	67.4	71.3	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000		66.1	74.2	78.1	81.3	81.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500		66.5	75.2	79.0	82.3	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000		67.7	76.5	81.3	85.8	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800		67.7	76.5	81.3	85.8	86.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1500		69.4	79.4	83.2	89.0	89.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200		70.3	79.0	83.9	89.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000		70.3	79.4	84.5	91.0	91.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900		70.7	80.0	85.2	91.6	92.6	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800		70.7	80.3	86.1	92.6	93.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700		70.7	80.3	86.1	92.9	93.9	97.1	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		71.0	80.7	86.5	93.6	94.5	97.7	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7
IV 500		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 400		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 300		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 200		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 100		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 0		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

73-82

YEARS

MONTH

16

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	51.8	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	1.0	59.9	60.3	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 18000	1.0	59.9	60.3	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 16000	1.0	60.3	60.6	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	1.0	61.0	61.4	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	1.0	62.4	63.1	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	1.0	63.5	64.2	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	1.0	63.5	64.5	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	1.0	67.4	68.8	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	1.0	67.7	69.2	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	1.0	68.4	69.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	1.0	68.6	70.9	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	1.0	71.3	74.1	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	1.0	72.3	75.2	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	1.0	73.1	76.2	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	1.0	74.3	78.0	79.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	1.0	74.3	79.4	79.4	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	1.0	74.3	79.1	80.5	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	1.0	74.3	79.1	80.9	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	1.0	75.5	80.1	81.9	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	1.0	76.6	81.2	83.0	85.5	85.5	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	1.0	76.6	81.9	83.7	87.6	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	1.0	76.6	81.9	84.0	88.3	88.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	1.0	76.6	81.9	84.0	88.3	89.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 700	1.0	76.6	82.3	84.4	89.0	89.7	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	1.0	76.6	82.3	84.4	89.0	90.1	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 500	1.0	76.6	83.3	85.8	90.1	90.0	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	1.0	77.7	83.3	85.8	90.4	91.1	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 0	1.0	77.7	83.3	85.8	90.4	91.1	93.6	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

222

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.9	48.1	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000		54.9	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000		54.8	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 8000		59.0	67.4	71.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000		60.7	69.4	73.9	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000		61.0	69.7	74.2	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000		61.9	71.3	75.8	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500		62.6	71.9	76.5	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000		63.2	72.9	78.1	79.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500		63.9	73.6	78.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3000		68.1	78.4	83.6	85.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500		68.4	78.7	84.5	86.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500		70.3	81.0	88.7	91.3	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800		70.7	81.3	89.7	92.9	93.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700		70.7	81.3	90.0	93.6	94.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600		70.7	81.3	90.0	93.6	94.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500		70.7	81.3	90.3	94.2	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.0	99.0
IV 400		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
IV 300		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.7	99.7
IV 200		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	100.0	100.0
IV 100		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	100.0	100.0
IV 0		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
11701STATION NAME
PATONET RIVER, MARYLAND

73-72

YEARS

MONTH
19

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		53.6	55.7	56.4	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1
≥ 20000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 18000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 16000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 14000		59.9	62.1	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.5	63.5
≥ 12000		61.4	63.5	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9
≥ 10000		63.5	65.6	66.3	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0
≥ 9000		63.3	66.0	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4
≥ 8000		67.4	69.5	70.2	70.6	70.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6	71.6
≥ 7000		68.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 6000		63.1	70.2	70.9	71.3	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.3	72.3
≥ 5000		69.9	72.3	73.1	73.4	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5
≥ 4500		71.3	73.8	74.5	75.9	75.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.0	77.0
≥ 4000		72.3	75.2	75.9	77.7	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7
≥ 3500		73.1	75.9	76.6	78.4	78.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4
≥ 3000		75.5	79.7	79.8	81.9	81.9	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3
≥ 2500		77.0	80.1	81.2	83.3	83.3	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.8	84.8
≥ 2000		77.7	81.2	82.3	84.8	84.8	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2
≥ 1800		77.7	81.2	82.3	85.1	85.1	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.5	86.5
≥ 1500		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1200		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1000		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 900		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 800		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 700		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 600		78.0	81.4	83.3	86.2	86.2	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 500		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 400		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 300		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 200		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 100		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 0		78.4	83.7	86.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS

212

DIRNA/OCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-72
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.5	47.7	50.0	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		74.2	57.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000		74.2	57.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 16000		74.5	57.4	61.9	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000		74.5	57.7	62.3	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000		75.5	57.4	62.9	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1800		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1200		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 900		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 800		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 700		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 600		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 400		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 300		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 200		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 100		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 0		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION PATENT RIVER, MARYLAND

73-00

YEARS

FEET

MOON

HOURLY (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		56.7	57.5	58.9	60.6	60.8	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4
≥ 20000		1.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3
IV 18000		1.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3
IV 16000		1.4	62.4	63.8	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3
IV 14000		1.7	62.8	64.2	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7
IV 12000		2.4	63.5	64.9	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4	67.4
IV 10000		3.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6
IV 9000		5.6	66.7	68.1	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6	70.6
IV 8000		7.2	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5
IV 7000		9.9	70.2	72.0	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.5	74.5
IV 6000		11.3	71.3	73.1	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.6	75.6
IV 5000		11.6	71.6	73.4	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.9	75.9
IV 4500		12.1	74.1	75.9	78.0	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.8	78.8
IV 4000		13.1	75.9	78.0	80.5	80.5	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2
IV 3500		13.4	76.2	78.4	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6
IV 3000		15.2	78.0	80.1	82.5	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3	83.3
IV 2500		15.2	78.0	80.9	83.3	83.3	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0
IV 2000		16.3	79.1	81.9	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5
IV 1800		16.2	79.1	81.9	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.5	85.5
IV 1500		17.3	81.1	83.3	86.7	86.2	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.2	87.2
IV 1200		17.7	81.5	83.7	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
IV 1000		18.0	80.9	84.0	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
IV 900		18.1	80.9	84.0	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
IV 800		18.0	80.9	84.0	87.6	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0
IV 700		18.4	81.2	84.8	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0
IV 600		18.4	81.2	84.8	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0
IV 500		18.7	81.6	85.5	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
IV 400		18.7	81.6	85.5	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
IV 300		18.7	81.6	85.5	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
IV 200		18.7	81.6	85.5	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
IV 100		18.7	81.6	85.5	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
IV 0		18.7	81.6	85.5	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATUXENT RIVER, MARYLANDYEARS
75-82MONTH
MAYHOURS
22PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	55.2	57.7	59.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	55.5	60.7	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	56.5	61.6	64.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 10000	59.4	64.5	67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	59.4	64.5	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	63.6	69.7	73.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	64.5	71.9	76.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	65.8	73.2	77.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	67.7	75.5	80.0	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500	68.4	76.8	81.3	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	70.0	79.4	84.2	86.1	86.5	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	70.0	80.0	85.5	87.7	88.1	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	70.0	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	70.3	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	71.3	82.3	88.1	91.0	91.3	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	71.3	82.6	88.7	91.6	91.9	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000	71.3	82.6	88.7	92.3	92.6	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	71.6	83.2	89.4	92.9	93.2	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	72.3	83.9	90.0	93.9	94.2	94.8	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	72.3	83.9	90.3	94.2	94.5	95.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	72.3	84.2	90.7	94.8	95.5	96.1	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	72.6	84.5	91.0	95.5	96.1	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	72.6	84.5	91.3	95.8	96.5	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1721STATION NAME
PATHEMPT RIVER, MARYLAND

73-12

YEARS

FEET

MILES

ALL

HOURS 11 5 T 1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	12.0	53.4	53.9	54.6	54.7	54.7	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 20000	.7	59.4	60.6	61.3	62.0	62.1	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	.7	59.4	60.6	61.3	62.1	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	.7	59.4	60.6	61.3	62.1	62.2	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	.7	59.4	61.0	61.7	62.4	62.5	62.6	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 12000	.7	60.9	62.4	63.0	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000	.7	64.5	65.5	66.4	67.2	67.2	67.3	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	.7	64.5	65.5	66.4	67.2	67.2	67.3	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	.7	67.7	69.7	70.6	71.5	71.6	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 7000	.7	69.4	70.6	71.5	72.5	72.7	72.9	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	.7	68.8	71.0	71.9	72.9	73.1	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	.7	69.6	72.1	73.0	74.1	74.3	74.5	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4500	.7	71.0	72.8	74.7	76.0	76.3	76.4	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	.7	72.5	75.4	76.5	78.0	78.3	78.5	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	.7	72.9	75.7	77.1	78.6	79.0	79.1	79.3	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	.7	74.5	77.8	79.1	80.9	81.3	81.5	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	.7	75.1	78.4	79.7	81.7	82.1	82.5	82.7	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	.7	75.6	79.2	80.6	82.6	83.1	83.6	83.8	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	.7	75.6	79.2	80.6	82.6	83.2	83.7	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	.7	76.2	79.9	81.6	83.8	84.4	84.9	85.2	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	.7	76.8	80.5	82.3	84.6	85.2	85.7	86.0	86.0	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1000	.7	77.1	81.1	82.9	85.7	86.5	87.5	87.8	87.9	88.2	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	.7	77.5	81.2	83.2	86.1	86.9	87.9	88.3	88.3	88.7	88.9	88.9	88.9	88.9	88.9	88.9
≥ 800	.7	77.5	81.4	83.6	86.7	87.5	88.7	89.1	89.1	89.7	89.9	89.9	89.9	89.9	89.9	89.9
≥ 700	.7	77.7	81.7	84.0	87.3	88.1	89.5	90.0	90.0	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	.7	77.7	81.9	84.3	87.7	88.5	90.0	90.5	90.5	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	.7	77.7	82.2	84.6	88.3	89.1	90.6	91.1	91.1	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	.7	77.7	82.4	85.2	88.9	90.1	91.6	92.2	92.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0
≥ 300	.7	77.9	82.7	85.2	89.0	90.3	91.8	92.5	92.5	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 200	.7	77.9	82.7	85.2	89.1	90.5	92.0	92.7	92.7	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 100	.7	77.9	82.7	85.2	89.1	90.5	92.0	92.7	92.7	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 0	.7	77.9	82.7	85.2	89.1	90.5	92.0	92.7	92.7	93.3	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS

2256

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATUXENT RIVER, MARYLAND

73-82

YEAR

MAY

MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		44.6	48.2	51.3	52.4	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8
≥ 30000		51.3	55.9	59.2	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000		51.3	56.8	59.3	60.5	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1
IV 16000		51.4	56.9	59.3	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
IV 14000		51.6	57.1	59.5	60.8	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.4
IV 12000		52.2	57.8	60.4	61.7	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000		54.6	60.7	63.6	65.0	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6
IV 9000		54.8	61.0	64.0	65.4	65.5	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0
IV 8000		58.5	65.4	69.3	71.1	71.2	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IV 7000		59.3	66.4	70.4	72.3	72.5	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1
IV 6000		59.0	66.6	70.7	72.7	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4
IV 5000		60.4	67.7	72.1	74.1	74.4	74.8	74.8	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0
IV 4500		61.1	68.5	73.0	75.2	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1
IV 4000		62.5	70.2	75.0	77.3	77.7	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500		63.0	70.9	75.7	78.0	78.5	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3000		65.4	73.9	79.0	81.7	82.3	82.8	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0
IV 2500		65.8	74.6	80.1	82.9	83.5	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3
IV 2000		66.2	75.4	81.2	84.3	84.9	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8
IV 1800		66.2	75.4	81.3	84.4	85.0	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9
IV 1500		67.1	76.4	82.7	86.2	87.0	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1
IV 1200		67.6	77.1	83.6	87.2	87.9	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.2	89.2	89.2
IV 1000		67.9	77.5	84.4	88.5	89.5	90.4	90.6	90.6	90.8	90.8	90.8	90.8	90.9	90.9	90.9
IV 900		68.1	77.8	84.8	89.0	90.1	91.1	91.3	91.3	91.5	91.6	91.6	91.6	91.7	91.7	91.7
IV 800		68.3	78.3	85.5	89.7	91.0	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9
IV 700		68.4	78.5	86.0	90.8	92.0	93.3	93.7	93.7	94.0	94.0	94.0	94.0	94.1	94.1	94.1
IV 600		68.6	78.7	86.4	91.3	92.7	94.1	94.5	94.5	94.8	94.8	94.8	94.8	94.9	94.9	94.9
IV 500		68.6	78.9	86.9	92.2	93.8	95.7	96.1	96.1	96.6	96.6	96.6	96.6	96.8	96.8	96.8
IV 400		68.7	79.0	87.3	93.0	94.7	96.7	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.1	98.2
IV 300		68.7	79.1	87.4	93.3	95.1	97.2	98.0	98.1	98.6	98.6	98.6	98.6	98.9	98.9	98.9
IV 200		68.7	79.1	87.4	93.3	95.1	97.2	98.2	98.2	98.8	98.8	98.8	98.8	99.1	99.1	99.1
IV 100		68.7	79.1	87.4	93.3	95.1	97.2	98.2	98.2	98.8	98.8	98.8	98.8	99.1	99.1	99.1
IV 0		68.7	79.1	87.4	93.3	95.1	97.2	98.2	98.2	98.8	98.8	98.8	98.8	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

2479

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1 PATENT RIVER, MARYLAND

73-72

YEARS

DATE

MONTH

01

HOURS L E T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	51.1	51.5	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 10000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 9000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 7000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 6000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 5000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4500	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3500	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2500	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1800	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1500	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1200	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1000	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 900	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 800	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 700	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 600	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 500	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 400	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 300	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 200	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 100	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 0	56.5	57.7	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-2
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)71
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.0	50.7	55.3	57.3	57.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		43.3	52.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 18000		48.3	52.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000		48.3	55.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 14000		48.7	59.0	65.0	67.3	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000		49.0	59.7	65.7	68.0	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 10000		53.0	63.7	70.0	72.7	73.0	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000		53.3	64.0	70.3	73.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000		56.3	68.0	75.7	78.3	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000		57.0	69.0	76.7	79.3	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500		57.7	69.7	77.3	80.0	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000		60.3	72.7	80.7	83.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500		61.7	74.3	82.3	85.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000		63.3	76.3	84.7	87.7	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500		63.3	76.7	85.3	88.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000		64.3	78.0	86.7	90.0	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800		64.7	78.3	87.0	90.7	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500		66.0	79.7	88.3	92.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200		66.0	80.3	89.0	92.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000		67.3	82.3	92.0	95.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900		67.7	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

177-1
STATION

PATWENT RIVER, MARYLAND
STATION NAME

73-12
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.1	46.8	53.2	56.2	56.2	56.9	56.9	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000		44.5	51.5	58.5	62.5	62.5	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000		45.2	52.2	59.2	63.2	63.2	63.9	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 10000		45.1	54.5	61.9	66.2	66.2	66.9	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000		47.2	54.9	62.2	66.6	66.6	67.2	67.3	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 8000		50.2	61.7	68.9	73.6	73.6	74.3	74.6	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000		51.2	61.7	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000		51.2	61.9	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000		51.5	62.2	70.6	75.6	75.6	76.3	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500		52.5	63.2	71.6	76.6	76.6	77.3	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000		53.2	63.9	72.2	77.3	77.3	77.9	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3500		54.5	65.6	73.9	78.9	78.9	79.6	79.9	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000		57.7	70.6	79.3	84.3	84.3	85.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500		58.9	71.6	80.6	86.0	86.0	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000		60.2	72.9	82.6	88.3	88.3	89.3	89.6	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800		60.2	72.9	82.9	88.6	88.6	89.6	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500		60.9	73.9	84.0	90.6	91.0	92.0	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200		61.2	74.3	84.6	91.3	91.6	92.6	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000		62.3	75.3	86.0	92.6	93.0	94.0	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900		62.5	75.6	86.3	93.0	93.3	94.7	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800		62.9	75.9	87.0	93.7	94.0	95.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700		62.9	75.9	87.0	94.0	94.3	96.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600		62.9	76.3	87.6	94.7	95.3	97.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		62.9	76.3	87.6	95.3	96.0	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400		62.9	76.3	87.6	95.7	96.3	98.0	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300		62.9	76.3	87.6	96.7	97.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		62.9	76.3	87.6	96.7	97.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		62.9	76.3	87.6	96.0	97.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		62.9	76.3	87.6	96.0	97.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

299

DIPNAVOCEANMET SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
PATUXENT RIVER MARYLAND(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

UNCLASSIFIED

F/G 4/2

Ni

A 10x10 grid of squares, with the top-left square missing.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

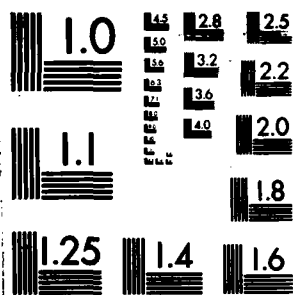
CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATUXENT RIVER, MARYLANDYEARS
73-81MONTH
JUNPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS (LST)
07

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		75.7	45.0	50.0	53.7	55.0	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		42.3	50.0	56.0	60.0	61.3	63.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		42.7	50.3	56.3	60.3	61.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		49.3	58.3	66.0	71.0	72.3	74.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000		50.0	59.3	67.0	72.0	73.3	75.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500		51.3	61.3	69.0	74.0	75.3	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		53.0	63.0	71.7	77.3	79.0	81.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500		54.0	64.0	73.0	79.7	80.3	83.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000		55.7	65.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		55.7	66.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500		57.0	69.0	79.0	83.7	85.7	88.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200		57.7	69.0	79.0	84.7	86.7	89.3	90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 300		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 100		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 0		57.7	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

MENTO

27

HOURS (L E V)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	5/16	¼	≥ 0
NO CEILING ≥ 20000	7	38.1	40.3	41.9	43.9	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
	7	44.5	47.1	48.7	50.7	50.7	51.3	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARS

MAD

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.7	45.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	1.3	52.1	54.1	55.7	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 18000	1.3	52.4	54.7	56.3	56.6	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 16000	1.3	52.8	55.0	56.6	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	1.3	53.1	55.3	57.0	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 12000	1.3	54.4	56.6	58.3	58.9	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 9000	1.3	57.9	60.2	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	1.3	62.1	64.7	66.7	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 7000	1.3	63.1	65.7	68.0	68.6	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 6000	1.3	63.4	66.0	68.3	68.9	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	1.6	65.7	68.6	70.9	72.2	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 4500	1.6	66.7	69.6	72.2	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4000	1.6	68.6	72.2	74.8	76.7	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	1.6	70.2	73.8	76.4	78.3	78.3	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3000	1.6	73.1	76.7	79.3	81.6	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	1.6	73.8	77.0	80.9	83.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1800	1.6	74.4	78.6	81.6	83.8	83.8	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500	1.6	75.4	79.6	82.5	85.1	85.1	85.4	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	1.6	75.7	79.9	82.9	85.8	85.8	86.1	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1000	1.6	75.7	80.9	84.1	87.1	87.1	87.4	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 900	1.6	75.7	80.9	84.1	87.4	87.4	87.7	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.0	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6
IV 700	1.6	75.7	80.9	84.1	87.7	88.0	88.4	89.3	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0
IV 600	1.6	75.7	80.9	84.1	88.0	88.0	89.3	90.3	90.3	90.6	90.9	90.9	90.9	90.9	90.9	90.9
IV 500	1.6	75.7	80.9	84.1	88.0	89.0	89.6	90.6	90.6	91.6	92.2	92.2	92.6	92.6	92.9	92.9
IV 400	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.3	91.3	92.2	92.9	92.9	93.5	93.5	94.2	94.2
IV 300	1.6	75.7	80.9	84.1	88.4	89.3	90.0	91.6	91.6	92.6	93.2	93.2	94.2	94.5	95.5	95.5
IV 200	1.6	75.7	80.9	84.1	88.4	89.3	90.3	92.6	92.9	94.5	95.2	95.2	96.4	96.8	98.4	98.7
IV 100	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0
IV 0	1.6	75.7	80.9	84.1	88.7	89.6	90.6	92.9	93.2	94.8	95.5	95.5	96.8	97.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATIENT RIVER, MARYLAND

73-32

YEAR

JUN

MONTH

16

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		43.7	47.3	51.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000		42.3	54.3	64.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000		53.7	58.7	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000		53.7	59.3	65.7	69.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 14000		53.3	58.7	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000		53.7	60.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000		55.3	62.7	69.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000		56.0	63.3	69.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000		59.3	68.0	74.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000		60.3	69.0	76.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000		60.7	69.3	76.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000		61.3	70.3	77.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500		62.7	71.7	78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000		63.3	72.7	80.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500		64.3	74.0	81.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000		68.7	78.3	86.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500		69.7	79.3	88.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000		69.3	79.7	88.3	94.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800		69.7	80.0	88.7	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500		70.0	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200		70.7	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000		70.3	80.7	90.3	96.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		70.3	80.7	90.3	96.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		71.3	81.7	91.7	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		71.3	81.7	91.7	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		71.3	81.7	91.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		71.3	81.7	91.7	96.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1721STATION NAME
PATUXENT RIVER, MARYLAND

73-92

YEARS

MONTH
13

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.6	41.0	43.2	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	1.6	50.0	53.2	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	1.6	50.3	53.9	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 16000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	1.6	51.0	54.5	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 12000	1.6	51.6	55.2	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 10000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	1.6	56.5	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	1.6	59.4	64.5	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 7000	1.6	59.7	64.8	66.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	1.6	61.0	66.1	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000	1.6	61.9	67.7	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	1.6	62.6	68.4	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	1.6	65.2	71.0	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500	1.6	66.5	72.6	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	1.6	71.3	78.1	80.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500	1.6	71.9	78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	1.6	72.6	79.4	82.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1800	1.6	73.2	80.0	83.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	1.6	73.6	80.3	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1200	1.6	73.9	81.3	84.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	1.6	74.2	81.3	85.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 900	1.6	74.2	81.3	85.5	88.4	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 800	1.6	74.2	81.3	86.1	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	1.6	74.2	81.6	86.5	90.3	91.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 600	1.6	74.8	81.9	86.8	91.0	92.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 500	1.6	74.8	81.9	86.8	91.0	93.6	93.9	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	1.6	74.8	81.9	86.8	91.0	93.6	94.2	96.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATION

PATHEANT RIVER, MARYLAND
STATION NAME

73-70
YEARS

JUN
MONTH

19
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING		42.7	50.0	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.7	55.7
≥ 20000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
18000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
16000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
14000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
12000		51.3	62.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7
10000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
9000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
8000		59.0	71.7	77.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7
7000		50.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0
6000		50.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0
5000		51.3	74.0	80.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	84.0	84.0
4500		53.3	76.0	82.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.3	86.7	86.7
4000		55.0	78.3	85.0	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	89.0	89.0
3500		55.7	79.3	86.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.3
3000		56.0	79.7	87.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.3
2500		56.3	80.0	87.3	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.7
2000		57.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3
1800		57.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3
1500		57.7	81.7	90.0	93.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3	95.7
1200		57.7	82.0	90.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7	96.0
1000		58.0	82.3	91.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.7
900		58.0	82.7	91.3	95.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	97.0
800		58.0	83.3	92.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	98.0
700		58.3	83.7	93.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.7
600		58.0	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
500		58.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
400		58.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
300		58.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
200		58.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
100		58.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
0		58.3	84.0	93.7	97.3	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

15721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.9	43.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	1.0	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	1.0	52.9	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	1.0	53.9	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	1.0	54.8	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	1.0	57.4	59.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	1.0	57.7	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	1.0	61.3	63.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	1.0	63.6	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	1.0	64.2	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	1.3	65.5	68.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	1.3	68.4	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	1.3	70.3	73.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	1.3	71.6	74.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	1.6	77.1	80.3	82.9	82.9	82.9	82.9	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	1.6	78.1	81.3	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	1.6	78.1	81.6	84.5	84.8	85.2	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	1.6	78.4	81.9	84.8	85.2	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	1.6	78.7	82.3	85.2	85.8	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8
≥ 1200	1.6	78.7	82.3	85.5	86.1	86.8	87.1	87.1	87.1	87.4	87.4	87.4	87.7	87.7	87.7	87.7
≥ 1000	1.6	79.4	83.2	86.5	87.1	88.1	88.4	88.4	88.4	89.0	89.0	89.0	89.4	89.4	89.4	89.4
≥ 900	1.6	79.7	83.9	87.1	88.1	89.4	89.7	89.7	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7
≥ 800	1.6	79.7	83.9	87.4	88.7	90.3	90.7	90.7	90.7	91.3	91.3	91.3	91.6	91.6	91.6	91.6
≥ 700	1.6	80.0	84.2	88.7	90.7	92.9	93.9	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2
≥ 600	1.6	80.3	84.5	89.0	91.0	93.2	94.2	94.5	94.5	95.2	95.2	95.2	95.5	95.5	95.5	95.5
≥ 500	1.6	80.3	84.5	89.0	91.3	93.6	94.8	95.2	95.5	96.1	96.1	96.1	96.5	96.5	96.5	96.5
≥ 400	1.6	80.7	84.9	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.1	97.1	97.4	97.4
≥ 300	1.6	80.7	84.9	89.4	91.6	93.9	95.2	95.8	96.1	96.8	96.8	96.8	97.4	97.4	97.7	98.1
≥ 200	1.6	80.7	84.9	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	99.7
≥ 100	1.6	80.7	84.9	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0
≥ 0	1.6	80.7	84.9	89.4	91.6	93.9	95.2	96.1	96.5	97.4	97.4	97.4	98.7	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		47.3	55.7	65.0	62.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000		50.7	60.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 18000		50.7	60.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000		50.7	60.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000		51.3	60.7	66.7	69.0	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 12000		51.7	61.0	67.0	69.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000		54.7	64.7	70.7	73.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000		55.0	65.0	71.0	73.3	73.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 8000		59.0	70.3	77.0	79.3	79.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 7000		59.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000		59.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000		60.7	72.3	80.0	82.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500		61.0	72.7	80.3	83.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000		62.3	74.0	82.7	85.3	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3500		62.7	74.3	83.0	85.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000		64.0	76.0	85.7	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500		64.7	77.0	86.7	89.3	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000		65.3	77.7	87.7	90.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800		65.3	78.0	88.0	91.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500		67.3	80.3	90.7	93.7	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200		67.7	80.7	91.0	94.0	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000		68.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		68.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		68.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700		68.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600		68.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500		69.0	82.7	93.3	96.3	97.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400		69.0	82.7	94.0	97.0	97.7	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 200		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 100		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 0		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSMAY
MONTH19
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	48.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0
≥ 20000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 18000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 16000	.3	54.6	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7
IV 14000	.3	55.5	57.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
IV 12000	.3	56.3	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
IV 10000	.3	60.3	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
IV 9000	.3	60.3	62.6	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
IV 8000	.3	65.8	68.1	68.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7
IV 7000	.3	67.1	69.4	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.0
IV 6000	.3	67.7	70.0	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 5000	.3	69.0	71.6	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.2
IV 4500	.3	71.0	73.6	73.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
IV 4000	.3	73.9	77.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7
IV 3500	.3	74.5	77.7	78.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.4
IV 3000	.3	76.8	80.3	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
IV 2500	.3	77.7	81.9	82.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5
IV 2000	.3	78.7	83.6	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5
IV 1800	.3	78.7	83.6	84.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8
IV 1500	.3	79.0	84.2	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7
IV 1200	.3	79.0	84.5	86.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
IV 1000	.3	79.7	85.5	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
IV 900	.3	79.7	85.5	87.7	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0
IV 800	.3	80.3	86.5	88.7	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
IV 700	.3	81.0	87.1	89.7	92.3	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6
IV 600	.3	81.0	87.1	90.3	92.9	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2
IV 500	.3	81.0	87.1	90.3	93.6	93.9	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.5
IV 400	.3	81.0	87.1	90.3	93.9	94.5	95.5	95.8	95.8	95.8	96.5	96.5	96.5	96.8	96.8	97.1
IV 300	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.1	97.1	97.1	97.4	97.4	97.7
IV 200	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.1	97.4	97.4	97.4	97.7	97.7	98.4
IV 100	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.4	98.7	99.7
IV 0	.3	81.3	87.4	90.7	94.2	94.8	95.8	96.1	96.1	97.4	97.7	97.7	98.4	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

STATION NAME

73-72

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.2	41.4	53.0	55.4	55.8	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000		48.0	55.7	61.4	64.3	64.8	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 18000		48.1	55.8	61.5	64.4	64.9	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000		48.1	55.8	61.6	64.4	64.9	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0
≥ 14000		48.4	56.2	61.9	64.8	65.3	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 12000		49.0	56.9	62.7	65.6	66.1	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 10000		51.7	60.1	66.4	69.5	69.9	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ 9000		51.9	60.3	66.6	69.7	70.1	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		56.1	65.9	72.7	76.1	76.6	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 7000		57.1	67.0	74.0	77.4	77.8	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
≥ 6000		57.3	67.3	74.2	77.7	78.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 5000		57.7	67.7	74.8	78.3	78.7	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0
≥ 4500		58.6	68.8	76.0	79.5	80.0	80.8	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000		58.7	70.5	78.0	81.7	82.2	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5
≥ 3500		60.7	71.4	79.0	82.8	83.2	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 3000		62.8	74.7	82.1	86.0	86.5	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 2500		63.5	74.9	83.1	87.2	87.7	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 2000		64.7	76.3	84.9	89.3	89.8	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 1800		64.9	76.5	85.1	89.6	90.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 1500		65.8	77.7	86.5	91.5	92.0	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 1200		66.0	78.1	87.1	91.9	92.7	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		66.8	79.1	88.6	93.6	94.5	95.7	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 900		67.0	79.4	88.9	94.0	94.8	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 800		67.4	79.9	89.5	94.7	95.6	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.6	97.7	97.7
≥ 700		67.4	80.0	89.7	94.9	95.9	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9	98.0
≥ 600		67.4	80.1	89.9	95.3	96.3	97.8	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
≥ 500		67.5	80.2	90.1	95.7	96.8	98.4	98.3	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.3
≥ 400		67.5	80.2	90.3	95.9	97.1	98.8	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.4	99.6	99.7	99.8	99.8	99.9	99.9	100.0
≥ 200		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARMAR
MONTH22
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		57.1	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		58.1	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000		62.9	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000		68.4	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		69.4	71.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000		70.3	72.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		72.3	74.5	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500		73.9	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000		75.8	78.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		76.8	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000		77.1	79.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		78.7	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000		80.3	83.9	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800		80.7	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500		81.9	85.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200		82.3	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000		82.9	87.7	90.0	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900		82.9	87.7	91.0	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800		82.9	88.1	91.3	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 700		82.9	88.1	91.6	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600		83.2	89.0	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500		83.2	89.0	93.6	94.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400		83.2	89.0	93.6	94.5	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300		83.2	89.0	93.6	94.5	95.2	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	98.4	98.4	98.4	98.4
≥ 100		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	99.7
≥ 0		83.2	89.0	93.6	94.5	95.2	96.1	96.8	96.8	97.4	97.4	97.7	99.0	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS



CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSAPR
MONTH01
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7
≥ 20000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 18000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 14000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 14000		64.3	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.3	67.3
IV 12000		65.0	66.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3
IV 10000		69.7	71.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.7
IV 9000		70.0	72.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0
IV 8000		75.0	77.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.3
IV 7000		76.0	78.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3
IV 6000		77.3	79.3	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	81.7
IV 5000		79.0	81.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	83.7
IV 4500		80.0	82.3	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.3
IV 4000		82.0	84.3	86.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3
IV 3500		82.7	85.0	87.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7	88.7
IV 3000		84.7	87.3	89.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0
IV 2500		85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
IV 2000		85.0	87.7	89.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3
IV 1800		85.3	88.0	90.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7
IV 1500		86.3	89.3	91.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3
IV 1200		86.7	89.7	92.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.3	94.3
IV 1000		87.7	91.0	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3	96.3
IV 900		87.7	91.0	94.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7
IV 800		88.0	91.3	94.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.0	97.0
IV 700		88.0	91.3	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3
IV 600		88.3	91.7	95.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	97.7
IV 500		88.3	91.7	95.0	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
IV 400		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
IV 300		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
IV 200		88.7	92.0	95.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	99.0	99.0
IV 100		88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.7	100.0
IV 0		88.7	92.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

77-00

YEARS

JUL

MONTH

10

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	40.1	40.0	52.3	56.6	68.3	59.2	60.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 12000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 10000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 9000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 7000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 6000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 5000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1800	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1200	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 900	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 800	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 700	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 600	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 400	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 300	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 200	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 100	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 0	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-72
YEARS

APR

MONTH

74

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.3	67.3	61.3	62.0	62.3	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 18000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	62.3	64.7	65.7	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	62.7	65.0	66.0	66.7	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	67.0	69.7	71.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 8000	72.7	75.3	76.7	78.0	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	73.7	76.3	77.7	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 6000	74.0	76.7	78.0	79.3	80.0	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	75.7	78.3	79.7	81.0	81.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	76.0	78.7	80.0	81.3	82.0	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	77.7	80.3	81.7	83.3	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	79.3	82.3	83.7	85.3	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	81.0	84.3	86.0	87.7	88.3	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	82.0	85.3	87.0	88.7	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	82.3	86.0	88.0	89.7	90.3	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	82.7	86.7	89.0	90.7	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	83.3	88.0	90.7	92.3	93.0	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	83.3	88.0	91.0	92.0	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	83.7	89.0	92.0	94.0	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	83.7	89.0	92.0	94.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	84.0	89.3	92.3	94.7	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	84.3	90.3	93.3	95.7	97.0	97.0	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	84.3	90.3	93.7	96.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	84.3	90.3	93.7	96.0	97.3	97.7	97.7	97.7	98.3	98.7	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT RIVER, MARYLAND

77-1

YEARS

JUL

MONTH

17

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.7	41.7	47.7	55.2	53.7	55.4	60.0	70.7	70.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	1.7	47.4	55.9	64.8	63.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	1.7	47.4	55.9	64.8	63.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.7	47.4	55.9	64.8	63.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.7	47.4	55.9	65.2	65.0	69.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	1.7	46.1	56.0	66.1	70.0	70.7	71.5	72.3	72.7	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	1.7	46.4	59.4	68.7	72.6	73.2	74.2	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	1.7	49.4	58.4	68.7	72.6	73.2	74.2	74.3	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	1.7	50.7	61.0	71.3	76.5	77.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	1.7	50.7	61.0	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	1.7	50.7	61.0	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	1.7	51.0	61.0	72.6	77.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	1.7	51.0	62.3	73.2	78.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	1.7	51.0	62.6	73.6	79.7	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.7	51.0	62.9	73.9	79.7	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	1.7	54.7	67.4	81.0	88.1	89.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	1.7	56.1	69.0	82.9	90.3	92.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	1.7	56.5	69.4	83.6	91.3	93.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	1.7	56.5	69.4	83.9	91.6	93.6	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	1.7	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	1.7	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	1.7	57.4	71.3	85.8	94.2	96.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.7	57.4	71.3	85.8	94.2	96.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSAPR
MONTH07
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		53.7	56.3	56.7	57.3	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		58.3	62.3	63.0	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000		59.3	63.3	64.0	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000		61.7	65.7	66.3	67.0	67.7	68.0	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000		62.3	66.3	67.0	67.7	68.3	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		69.0	73.3	74.3	75.3	76.0	76.7	76.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000		70.3	74.7	75.7	76.7	77.3	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000		72.0	76.3	77.3	78.3	79.0	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000		72.3	76.7	78.3	80.0	80.7	81.3	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500		73.0	77.3	79.0	81.0	81.7	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000		74.7	79.0	81.3	83.3	84.0	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500		75.3	79.3	82.0	84.0	84.7	85.3	85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000		75.7	80.0	83.0	85.0	85.7	86.3	86.3	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		76.3	80.7	84.3	86.3	87.0	87.7	87.7	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000		77.0	81.7	85.3	87.3	88.0	88.7	88.7	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		77.3	82.0	85.7	87.7	88.3	89.0	89.0	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		78.0	83.0	86.7	88.7	89.3	90.0	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200		78.0	83.3	87.7	89.7	90.3	91.0	91.0	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 900		78.7	84.3	88.7	91.3	92.0	93.0	93.0	93.0	93.3	93.7	93.7	93.7	93.7	94.0	94.0
≥ 800		78.7	84.3	88.7	91.7	92.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.3	94.3
≥ 700		78.7	84.3	88.7	91.7	93.0	94.0	94.0	94.0	94.3	94.7	94.7	94.7	94.7	95.0	95.0
≥ 600		78.7	85.7	89.3	92.3	93.7	94.7	95.0	95.3	95.7	96.0	96.0	96.0	96.0	96.3	96.3
≥ 500		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 400		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.0	97.0	97.0	97.0	97.3	97.3
≥ 300		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.3	97.3	97.3	97.7	98.0
≥ 200		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.0	99.3
≥ 100		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0
≥ 0		79.0	85.7	90.0	93.3	94.7	95.7	96.0	96.3	96.7	97.3	97.7	98.0	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PATUXENT RIVER, MARYLAND

73-

YEARS

J 1

MONTH

1

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	37.9	45.0	51.7	54.8	55.8	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.3	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	1.0	42.3	51.9	56.3	56.5	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	1.0	45.1	55.5	65.5	73.2	74.2	74.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	1.0	45.1	55.5	66.1	73.9	74.5	75.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	1.0	45.1	59.7	71.3	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	1.0	45.1	59.7	71.3	79.4	80.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	1.0	45.1	60.0	71.3	79.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	1.0	45.1	60.0	71.3	80.0	81.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	1.0	45.1	60.0	71.3	80.0	81.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.0	45.1	61.7	73.6	82.6	83.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	1.0	45.1	61.0	73.9	82.9	83.9	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	1.0	45.1	60.5	81.0	91.9	93.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	1.0	53.2	67.1	81.6	93.2	94.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	1.0	53.6	67.4	82.3	93.9	95.2	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	1.0	53.6	67.4	82.3	93.9	95.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	1.0	53.6	67.4	83.2	94.9	96.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	1.0	53.6	67.4	83.2	94.9	96.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	1.0	53.6	67.4	83.6	95.8	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.0	53.6	67.4	83.6	95.8	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.3	57.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	1.3	53.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 18000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 16000	1.3	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 14000	1.3	64.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 12000	1.3	65.7	66.7	66.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	1.3	69.0	70.0	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	1.3	69.0	70.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	1.3	75.3	77.0	77.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	1.3	75.3	77.3	77.7	78.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 6000	1.3	76.7	78.3	78.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	1.3	79.0	81.0	81.3	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	1.3	79.3	81.3	81.7	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	1.3	81.0	83.0	83.7	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	1.3	81.3	83.3	84.0	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	1.3	82.7	84.7	86.0	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	1.3	83.3	85.3	87.0	88.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	1.7	85.3	87.3	89.0	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	1.7	85.7	87.7	89.3	91.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	1.7	86.7	88.7	90.3	92.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1000	1.7	87.7	89.7	90.7	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	1.7	87.0	89.0	91.0	92.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	1.7	87.0	89.3	91.3	93.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	1.7	87.3	89.7	91.7	93.3	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	1.7	87.7	90.0	92.0	94.0	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	1.7	87.7	90.0	92.7	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	1.7	87.7	90.0	92.7	95.3	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.7	98.7	99.0	99.0
IV 300	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	99.7
IV 200	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	100.0
IV 100	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	100.0
IV 0	1.7	87.7	90.3	93.0	95.7	97.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

2

STATION NAME: PATENT RIVER, MARYLAND STATION: 73-10 YEARS: JUL MONTH: 19 HOURS (L & Y):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅕	≥ ⅐	≥ 0
NO CEILING	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 20000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 18000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 16000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 14000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 12000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 10000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 9000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 8000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 7000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 6000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 5000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 4500	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 4000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 3500	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 3000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 2500	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 2000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1800	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1500	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1200	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 900	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 800	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 700	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 600	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 500	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 400	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 300	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 200	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 100	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 0	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATUXENT RIVER, MARYLAND

73-

YEARS

AP

MONTH

13

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	52.5	53.5	53.5	52.5	43.5	53.0	53.9	57.0	53.9	53.0	53.9	57.9	53.9	53.9	53.9	53.0
≥ 20000	1.3	52.2	62.9	63.2	63.2	43.2	63.6	43.6	62.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000	1.3	62.2	62.9	63.2	63.2	43.2	63.6	43.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	1.3	62.2	62.9	63.2	63.2	43.2	63.6	43.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	1.3	62.9	63.6	63.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000	1.3	64.2	65.2	65.6	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 10000	1.3	67.2	68.2	68.9	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 9000	1.3	67.9	68.9	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 8000	1.3	70.6	72.9	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000	1.3	71.2	74.3	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	1.3	72.2	75.3	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	1.3	74.9	76.6	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4500	1.3	75.9	79.6	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	1.3	78.6	82.3	83.3	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3500	1.3	79.3	82.9	84.0	84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	1.7	83.3	87.0	88.0	88.6	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500	1.7	85.0	88.6	90.0	90.6	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	1.7	85.3	89.0	90.6	91.6	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	1.7	85.6	89.3	91.0	92.0	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	1.7	86.6	90.3	92.6	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	1.7	87.3	91.0	93.3	94.7	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	1.7	87.6	91.3	93.7	95.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	1.7	87.6	91.6	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	1.7	87.6	91.6	94.7	96.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	1.7	87.6	92.0	95.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	1.7	87.6	92.0	95.0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATIENT RIVER, MARYLAND

72-12

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		39.7	47.7	55.5	59.7	60.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 18000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000		43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000		43.9	53.2	62.6	68.1	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000		43.9	53.6	63.2	69.0	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000		45.2	55.8	66.8	73.6	74.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 9000		45.5	56.1	67.1	73.9	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000		49.7	62.3	74.5	82.3	82.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 7000		50.0	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 6000		50.7	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000		50.7	63.9	77.7	85.5	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500		51.3	64.8	78.7	87.1	87.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4000		51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500		51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000		51.9	67.1	81.9	91.6	92.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2500		52.9	68.1	82.9	92.6	93.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000		53.2	68.7	83.6	93.2	93.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800		53.2	68.7	83.9	93.6	94.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500		53.2	68.4	84.8	95.2	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200		53.7	67.4	84.8	95.2	95.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000		54.2	67.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900		54.2	67.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800		54.2	67.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700		54.5	70.3	86.1	96.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		54.5	70.3	86.1	96.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 71

PATIENT RIVER, MARYLAND

73-72

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	1.7	51.7	52.7	52.7	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 18000	1.7	51.7	52.7	52.7	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 16000	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 14000	1.7	51.7	52.7	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000	1.7	52.7	54.0	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	1.7	54.7	56.3	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 9000	1.7	55.0	56.7	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	1.7	58.3	70.3	71.0	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	1.7	58.7	71.7	72.7	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	1.7	58.7	71.7	73.0	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000	1.7	71.3	74.7	76.0	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	1.7	73.3	77.0	78.3	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	1.7	77.3	81.0	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	1.7	78.7	82.3	83.7	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	1.7	82.7	86.7	88.7	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	1.7	83.7	87.7	89.7	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	1.7	84.3	88.7	90.7	91.7	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	1.7	85.3	89.7	92.3	93.3	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	1.7	85.7	90.3	93.0	94.0	94.7	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	1.7	85.7	91.0	94.7	96.3	97.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	1.7	85.7	91.0	94.7	96.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	1.7	85.7	91.3	95.0	96.7	97.7	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	1.7	85.7	91.3	95.0	96.7	98.0	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
IV 200	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
IV 100	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	1.7	85.7	91.3	95.0	97.0	98.3	99.0	99.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PATENT RIVER, MARYLAND

73-12

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	37.4	45.2	52.4	56.5	57.6	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 18000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 16000	.4	41.0	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 14000	.4	41.0	51.0	60.2	65.5	66.7	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5
IV 12000	.4	42.4	51.9	61.3	66.7	68.0	69.1	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8
IV 10000	.4	44.0	55.0	65.3	71.6	72.9	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
IV 9000	.4	44.0	55.1	65.4	71.8	73.1	74.3	74.8	74.9	74.9	74.8	74.8	74.8	74.8	74.9	74.9
IV 8000	.4	47.5	59.2	70.6	78.1	79.6	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5
IV 7000	.4	47.2	59.9	71.8	79.2	80.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6
IV 6000	.4	48.0	59.9	71.9	79.3	80.8	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
IV 5000	.4	48.6	60.0	72.8	80.6	82.1	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
IV 4500	.4	49.0	61.1	73.5	81.3	82.8	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
IV 4000	.4	49.5	62.0	74.2	82.9	84.4	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
IV 3500	.4	49.6	62.2	75.3	83.5	85.0	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2
IV 3000	.4	51.2	64.8	78.8	87.9	89.6	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0
IV 2500	.4	51.9	65.5	79.7	89.0	90.8	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
IV 2000	.4	52.3	66.1	80.5	89.9	91.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4
IV 1800	.4	52.4	66.2	80.7	90.1	91.9	93.8	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6
IV 1500	.4	52.9	67.1	82.0	91.8	93.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5
IV 1200	.4	53.0	67.3	82.4	92.2	94.2	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
IV 1000	.4	53.2	67.6	83.0	93.1	95.2	97.3	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
IV 900	.4	53.2	67.8	83.2	93.4	95.5	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
IV 800	.4	53.4	67.9	83.4	93.7	95.9	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
IV 700	.4	53.5	68.1	83.7	94.0	96.3	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 600	.4	53.5	68.1	83.7	94.1	96.4	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 500	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 400	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 300	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 200	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 100	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 0	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2478

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10721
STATIONPATUENT RIVER, MARYLAND
STATION NAME73-72
YEARSAPR
MONTH19
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	.3	53.3	57.7	53.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
18000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
16000	.3	61.3	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
14000	.3	61.7	62.3	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
12000	.3	62.3	64.0	64.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
10000	.3	66.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
9000	.3	66.3	68.3	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
8000	.3	71.3	73.3	75.0	75.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
7000	.3	72.3	74.7	76.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
6000	.3	73.3	75.3	77.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
5000	.3	73.7	76.0	77.7	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
4500	.3	76.0	78.3	80.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
4000	.3	78.3	80.7	82.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
3500	.3	78.7	81.0	82.7	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
3000	.3	81.3	85.0	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2500	.3	82.0	85.7	87.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2000	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1800	.3	83.0	86.7	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1500	.3	83.7	88.0	90.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1200	.3	84.3	88.7	91.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1000	.3	84.7	89.0	92.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	.3	84.7	89.0	92.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
800	.3	84.7	89.3	93.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
700	.3	84.7	89.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
600	.3	84.7	89.3	93.3	96.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
500	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
400	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
300	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
200	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
100	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
0	.3	85.0	90.0	94.0	97.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

390

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17781
STATION NUMBERPATUXENT RIVER, MARYLAND
STATION NAME

77-00

YEARS

AUG

MONTH

01

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		36.7	50.0	57.1	61.9	61.9	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000		43.6	57.7	68.1	75.2	75.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		43.6	57.7	68.1	75.2	75.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000		46.5	63.6	75.5	82.9	83.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		47.4	64.2	76.1	83.6	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 4000		48.4	65.2	77.7	85.2	85.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1	88.1
≥ 3500		48.4	65.5	78.1	85.8	86.5	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.7
≥ 3000		50.3	69.0	82.6	90.7	91.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.6	93.6	93.6
≥ 2500		50.7	69.4	83.2	91.3	91.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.2
≥ 2000		50.7	69.4	83.2	91.3	91.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5
≥ 1800		51.3	69.7	83.6	91.6	92.3	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8
≥ 1500		51.3	70.0	84.2	92.3	92.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
≥ 1200		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5
≥ 1000		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5
≥ 900		52.6	71.7	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1
≥ 800		52.6	71.3	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1
≥ 700		52.6	71.9	86.8	94.8	95.8	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
≥ 600		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 500		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 400		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 300		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 200		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
0		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

11721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-42
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 16000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 14000	66.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000	67.7	69.3	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	71.7	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	76.0	77.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	77.0	78.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	77.3	79.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	79.0	80.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	80.3	82.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4000	81.7	83.3	84.7	85.7	85.7	85.7	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	82.0	84.0	85.3	86.3	86.3	86.3	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	84.0	86.0	87.7	88.7	88.7	88.7	88.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	84.7	86.7	88.7	89.7	89.7	89.7	89.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2000	85.3	87.3	90.0	91.3	91.3	91.3	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	85.7	87.7	90.3	91.7	91.7	91.7	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	87.3	90.0	93.3	94.7	94.7	94.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	87.3	90.0	93.3	94.7	94.7	94.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	87.3	90.0	93.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3
IV 900	87.3	90.0	93.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3
IV 800	87.3	90.0	93.3	95.3	95.3	95.3	95.3	95.7	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.3
IV 700	87.7	90.3	94.0	96.0	96.0	96.0	96.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	87.7	90.3	94.0	96.0	96.0	96.0	96.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	88.0	90.7	94.7	96.7	96.7	96.7	96.7	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 400	88.0	90.7	94.7	96.7	96.7	96.7	96.7	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 300	88.0	90.7	94.7	96.7	96.7	96.7	96.7	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 200	88.0	90.7	94.7	96.7	96.7	96.7	96.7	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 100	88.0	90.7	94.7	96.7	96.7	96.7	96.7	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3
IV 0	88.0	90.7	94.7	96.7	96.7	96.7	96.7	97.3	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1 701STATION NAME
PATIENT DIVER, MARYLANDYEARS
73-82

AUG

MONTH

04

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		34.5	45.1	58.1	66.1	66.5	67.7	68.1	69.1	69.1	68.1	68.1	68.1	68.1	68.1
≥ 20000		77.1	52.9	63.9	72.6	72.9	74.5	74.8	74.9	74.8	74.9	74.8	74.8	74.8	74.8
≥ 18000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000		37.4	53.2	64.2	73.2	73.6	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000		39.7	55.8	67.1	76.8	77.1	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 9000		39.7	55.8	67.1	76.8	77.1	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000		42.6	59.7	72.3	81.9	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500		42.7	60.0	72.6	82.3	82.6	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		44.5	62.3	75.5	85.2	85.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500		45.2	63.2	76.5	86.5	86.8	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		46.3	65.8	79.0	89.4	89.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		47.4	66.5	79.7	90.0	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		47.7	66.8	80.0	90.3	90.7	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		48.4	67.4	81.0	91.3	91.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500		48.4	67.7	81.6	92.3	92.6	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		48.4	67.7	81.6	92.9	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		48.7	69.1	82.6	93.9	94.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		48.7	69.1	82.6	94.2	94.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		48.7	69.1	82.9	94.5	95.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		48.7	69.4	83.6	95.2	95.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		48.7	69.7	83.9	95.5	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		48.7	69.7	84.2	95.8	96.2	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSAPR
MONTHALL
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.6	55.7	57.0	57.3	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	.6	62.4	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	.6	62.5	64.1	64.6	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4
≥ 14000	.6	62.7	64.4	64.9	65.3	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000	.6	63.7	65.5	66.1	66.5	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9
≥ 10000	.6	67.1	69.1	69.9	70.4	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9
≥ 9000	.6	67.4	69.5	70.2	70.7	70.9	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 8000	.6	72.3	74.6	75.6	76.4	76.6	76.8	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	.6	73.1	75.7	76.7	77.5	77.7	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	.6	73.9	76.5	77.5	78.4	78.6	78.8	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	.6	75.6	78.4	79.5	80.5	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	.6	76.7	79.6	80.8	81.8	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5
≥ 4000	.6	78.9	81.7	83.2	84.4	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.1	85.1
≥ 3500	.6	79.6	82.5	84.0	85.2	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	.7	81.9	85.1	86.9	88.3	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	.7	82.7	86.0	88.0	89.3	89.7	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	.7	83.4	86.7	88.9	90.4	90.8	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.5	91.5
≥ 1800	.7	83.6	86.9	89.1	90.6	91.0	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	.7	84.4	88.0	90.5	92.0	92.5	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥ 1200	.7	84.8	88.5	91.2	92.8	93.3	93.6	93.7	93.7	93.8	93.9	93.9	93.9	93.9	94.0	94.0
≥ 1000	.7	85.2	89.2	92.2	94.0	94.6	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.4	95.4
≥ 900	.7	85.2	89.2	92.5	94.3	95.0	95.3	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.8	95.8
≥ 800	.7	85.3	89.5	92.8	94.8	95.5	95.9	95.9	95.9	96.1	96.2	96.2	96.2	96.3	96.4	96.4
≥ 700	.7	85.4	89.6	93.0	95.1	96.0	96.6	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.1	97.1
≥ 600	.7	85.5	89.9	93.3	95.4	96.4	97.0	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.6	97.6
≥ 500	.7	85.7	90.2	93.7	95.9	97.0	97.6	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.3	98.3
≥ 400	.7	85.7	90.3	93.8	96.3	97.5	98.1	98.2	98.2	98.5	98.6	98.6	98.6	98.7	98.9	98.9
≥ 300	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.8	98.9	98.9	99.0	99.3	99.3
≥ 200	.7	85.7	90.3	93.8	96.3	97.5	98.3	98.3	98.4	98.8	98.9	99.0	99.0	99.3	99.5	99.6
≥ 100	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7	99.9
≥ 0	.7	85.7	90.3	93.8	96.3	97.6	98.3	98.4	98.4	98.8	99.0	99.0	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUMENT RIVER, MARYLAND
STATION NAME73-82
YEARSAUG
MONTH07
HOURS (L & T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		25.2	34.5	41.6	51.9	53.9	57.1	57.1	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000		30.3	40.7	48.1	59.7	61.9	65.5	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000		30.3	40.7	48.1	59.7	61.9	65.5	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000		33.9	44.8	52.9	65.2	68.7	73.6	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000		33.9	44.8	52.9	65.2	68.7	73.6	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000		38.1	51.3	61.6	74.5	78.1	83.6	84.2	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		36.7	51.9	62.3	75.2	78.7	84.2	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500		39.7	53.2	63.9	78.4	81.9	87.4	88.4	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		40.3	53.9	65.5	80.3	84.2	89.7	90.7	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500		40.7	54.2	65.8	80.7	84.5	90.0	91.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		42.3	55.1	68.4	83.7	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		42.3	55.1	68.4	83.7	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900		42.3	55.1	68.4	83.7	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATUXENT RIVER, MARYLAND

STATION NAME

73-22

YEARS

MAY

MONTH

01

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		48.9	54.4	56.6	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000		4.7	6.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4
≥ 18000		54.7	6.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4
≥ 16000		54.7	6.5	62.8	63.8	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	64.4
≥ 14000		55.0	6.8	63.1	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.7	64.7
≥ 12000		56.3	6.2	64.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.0
≥ 10000		57.0	6.8	65.1	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7
≥ 9000		57.3	6.1	65.4	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0
≥ 8000		62.1	6.0	70.6	71.5	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.5	72.5
≥ 7000		62.8	6.6	71.2	72.2	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1
≥ 6000		63.1	6.9	71.5	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.5	73.5
≥ 5000		64.4	7.0	73.8	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.1	76.1
≥ 4500		66.0	7.5	75.7	77.4	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 4000		67.4	7.4	78.3	80.3	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2
≥ 3500		68.0	7.5	79.6	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.9	82.9
≥ 3000		69.3	7.8	82.2	84.8	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.8	85.8
≥ 2500		69.6	7.8	82.9	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4
≥ 2000		69.9	7.6	83.8	86.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 1800		70.2	7.9	84.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 1500		71.2	7.9	85.1	88.7	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.0
≥ 1200		71.2	7.9	85.1	88.7	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.0
≥ 1000		71.5	8.0	86.1	90.0	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.3	91.3
≥ 900		71.5	8.0	86.4	90.9	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2
≥ 800		71.5	8.1	87.4	91.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.2	93.2
≥ 700		72.2	8.1	88.7	93.2	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5
≥ 600		72.5	8.2	89.3	93.9	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.5	95.5
≥ 500		72.5	8.2	90.3	95.2	96.1	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 400		72.5	8.3	90.9	96.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
≥ 300		72.5	8.3	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 200		72.5	8.3	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 100		72.5	8.3	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4
≥ 0		72.5	8.3	90.9	96.1	97.1	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

309

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSAUG
MONTH10
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING		72.3	43.2	52.3	57.7	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 20000		36.7	50.3	61.6	68.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000		38.7	51.3	61.6	68.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000		38.7	51.3	61.6	68.1	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000		39.7	51.3	62.6	69.0	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 12000		40.3	52.3	63.6	70.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000		41.0	54.2	66.1	74.2	75.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 9000		42.3	54.5	66.5	74.5	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 8000		44.5	57.7	70.0	78.7	80.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000		44.5	57.7	70.3	79.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000		44.8	58.1	70.7	79.4	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 5000		45.5	58.7	71.3	80.0	81.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500		45.5	58.7	71.6	80.3	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000		45.3	59.0	72.3	81.6	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500		45.8	59.0	72.3	81.9	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000		49.0	62.6	76.5	86.1	88.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500		49.0	63.2	77.1	86.8	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000		49.7	63.9	78.1	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800		49.7	63.9	78.1	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500		51.0	65.2	80.3	90.7	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200		51.3	65.8	81.0	91.9	94.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000		52.6	67.4	82.6	93.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900		52.6	67.4	82.9	94.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800		53.2	68.1	83.9	95.2	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		53.2	68.1	83.9	95.8	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARMAY
MONTH04
HOURS IN DAYPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		45.2	50.7	51.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000		51.3	57.7	58.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000		51.6	58.1	59.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000		53.2	60.3	61.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000		53.9	61.0	62.6	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 8000		57.7	65.8	68.1	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000		58.4	66.5	68.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 6000		58.7	66.8	69.0	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000		61.0	69.0	71.6	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4300		61.3	69.7	72.3	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000		62.6	71.3	73.9	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500		62.9	71.6	74.2	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000		63.9	73.6	76.8	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500		64.5	74.2	77.7	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800		64.5	74.8	78.7	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500		64.8	75.2	79.7	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1200		66.1	76.5	81.3	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000		66.1	76.5	82.3	86.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 900		66.5	77.4	83.2	87.4	88.4	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 800		66.5	77.4	83.2	87.4	88.7	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
IV 700		66.5	77.4	83.2	87.7	89.0	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IV 600		67.1	78.1	84.2	89.0	90.3	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 500		67.1	78.7	85.2	90.7	92.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
IV 400		67.1	79.4	85.8	92.3	94.2	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 300		67.1	79.7	86.1	93.2	95.8	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
IV 200		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.4	98.7	99.0	99.0	99.4	99.4	99.4
IV 100		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.4	98.7	99.0	99.4	99.7	99.7	99.7
IV 0		67.1	79.7	86.1	93.2	95.8	97.7	98.4	98.4	98.4	98.7	99.0	99.4	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721

PATUXENT RIVER, MARYLAND

STATION NAME

73-92

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.5	43.6	51.9	58.1	58.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 20000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000		41.6	51.3	61.6	69.0	69.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		41.6	51.6	61.9	69.4	70.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000		42.3	52.6	62.9	70.3	71.0	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		44.9	56.1	67.1	75.2	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000		44.9	56.1	67.1	75.2	75.8	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000		46.1	58.1	70.0	78.4	79.4	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000		46.5	58.4	70.7	79.0	80.0	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000		46.5	58.4	70.7	79.0	80.0	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000		47.1	59.4	71.6	80.0	81.0	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		47.4	59.7	71.9	80.3	81.3	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4000		48.1	60.3	73.2	81.9	83.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500		49.0	61.6	74.5	83.2	84.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000		51.9	65.2	78.4	88.7	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500		53.2	66.5	81.0	90.7	92.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000		53.6	66.8	81.6	91.3	92.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800		53.6	66.8	81.6	91.3	92.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500		54.2	67.4	82.6	92.6	94.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200		54.2	68.4	83.6	93.6	95.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		54.8	69.4	84.5	94.5	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		54.8	69.4	84.5	94.5	96.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		55.3	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		55.2	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		55.2	69.7	84.8	94.8	96.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		55.2	70.0	85.2	95.2	97.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIYENT RIVER, MARYLAND

STATION NAME

73-92

YEAR

MAY

MONTH

07

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	44.2	44.2	47.7	47.7	50.0	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.3	51.3	51.3	51.3
≥ 20000	44.2	51.7	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
IV 18000	44.2	51.7	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
IV 16000	44.2	51.7	54.5	56.5	57.1	57.4	57.7	57.7	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7
IV 14000	45.2	51.3	54.8	56.8	57.4	57.7	58.1	58.1	58.7	58.7	58.7	58.7	59.0	59.0	59.0	59.0
IV 12000	45.5	51.6	55.2	57.1	57.7	58.1	58.4	58.4	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4
IV 10000	47.7	54.8	59.0	61.0	61.6	61.9	62.3	62.3	62.9	62.9	62.9	62.9	63.2	63.2	63.2	63.2
IV 9000	48.4	55.5	60.0	61.9	62.6	62.9	63.2	63.2	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.2
IV 8000	50.7	57.7	63.6	65.5	66.1	66.5	66.8	66.8	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7
IV 7000	51.0	58.1	63.9	65.8	66.5	66.8	67.1	67.1	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1
IV 6000	51.0	58.1	63.9	66.1	66.8	67.1	67.4	67.4	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4
IV 5000	51.0	58.1	64.2	66.5	67.1	67.7	68.1	68.1	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0
IV 4500	51.6	58.7	64.8	67.1	68.4	69.0	69.4	69.4	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3
IV 4000	52.7	60.0	66.5	68.7	70.3	71.0	71.3	71.3	71.9	71.9	71.9	71.9	72.3	72.3	72.3	72.3
IV 3500	52.9	60.0	66.8	69.0	71.0	71.6	71.9	71.9	72.6	72.6	72.6	72.6	72.9	72.9	72.9	72.9
IV 3000	53.4	61.0	68.1	70.7	73.2	73.9	74.2	74.2	74.8	74.8	74.8	74.8	75.2	75.2	75.2	75.2
IV 2500	54.5	61.9	69.4	71.9	74.5	75.2	75.5	75.5	76.1	76.1	76.1	76.1	76.5	76.5	76.5	76.5
IV 2000	55.2	62.6	70.0	72.6	75.2	75.8	76.5	76.5	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4
IV 1800	55.2	62.6	70.3	73.6	76.1	76.8	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 1600	55.2	62.6	70.3	73.6	76.1	76.8	78.1	78.1	78.7	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 1400	55.4	63.2	71.6	75.2	77.7	78.4	79.7	79.7	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7
IV 1200	56.5	63.9	72.6	76.5	79.7	80.3	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 1000	56.5	63.9	72.6	76.5	79.7	80.3	81.6	81.6	82.3	82.3	82.3	82.3	82.6	82.6	82.6	82.6
IV 900	56.8	64.2	73.2	77.1	80.3	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6
IV 800	57.1	64.8	74.2	78.7	81.9	82.9	84.2	84.2	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2
IV 700	57.1	64.8	75.2	80.7	83.9	85.2	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7
IV 600	57.1	64.8	75.2	80.7	84.5	86.1	87.7	87.7	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7
IV 500	57.1	64.8	75.8	82.3	86.9	88.7	90.7	90.7	91.3	91.6	91.6	91.6	91.9	92.3	92.3	92.3
IV 400	57.4	65.2	77.1	84.8	89.4	91.6	93.9	93.9	94.5	95.2	95.2	95.2	95.5	95.8	95.8	95.8
IV 300	57.4	65.2	77.1	85.2	90.0	92.3	94.8	94.8	95.5	96.5	96.5	96.5	96.8	97.1	97.7	97.7
IV 200	57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	99.0	99.0
IV 100	57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0	100.0
IV 0	57.4	65.2	77.1	85.2	90.0	92.3	95.8	95.8	96.5	97.4	97.7	97.7	98.1	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-72
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.2	47.2	53.9	67.7	80.7	81.2	1.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	40.7	51.4	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	40.7	51.4	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000	40.7	51.4	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	41.3	52.6	63.6	71.9	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 12000	41.3	52.6	64.2	72.6	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000	42.4	55.5	66.3	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	42.4	55.5	66.8	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 8000	43.9	57.4	69.0	78.4	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	44.2	57.7	69.7	79.3	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	44.5	58.1	70.0	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	44.5	58.1	70.0	79.7	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	45.2	58.7	70.7	80.3	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	46.5	60.7	72.6	82.6	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	46.8	61.0	72.9	82.9	83.6	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	49.4	65.5	79.7	91.0	91.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2500	50.3	66.8	81.3	92.9	93.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	51.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	51.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	51.3	67.7	82.9	95.2	95.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	51.3	67.7	83.2	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	51.6	68.1	83.9	96.1	96.3	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	51.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	51.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	51.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	51.6	68.4	84.2	96.5	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	51.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	51.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 710

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1771
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1C
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	42.9	43.4	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	49.4	55.5	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	49.7	55.9	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	49.7	55.8	58.1	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	50.0	56.1	58.4	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000	50.3	56.5	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	53.6	60.0	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	53.9	60.3	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	56.1	62.6	66.5	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	57.1	63.9	68.1	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	57.4	64.2	68.4	69.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	57.7	64.5	69.4	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	58.4	65.2	70.3	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	59.7	66.5	71.6	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	60.0	66.8	71.9	73.6	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000	61.3	69.0	74.5	76.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	62.3	70.3	76.5	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	63.2	71.9	78.4	81.0	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	63.2	72.3	78.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	63.6	72.9	79.4	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	64.2	74.2	81.3	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	64.8	76.1	83.6	87.1	87.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	65.2	76.5	84.2	87.7	88.4	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	65.5	76.8	84.5	88.4	89.0	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	65.8	77.1	85.2	89.7	91.0	92.9	93.2	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	65.8	77.1	85.5	90.3	91.6	93.6	93.9	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	65.8	77.1	85.8	91.0	92.9	96.1	96.5	96.5	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	65.8	77.1	86.1	91.6	93.6	96.8	97.1	97.1	97.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-52
YEARSAUG
MONTH19
HOURS (L & T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		29.7	36.8	45.5	52.9	53.6	54.5	54.8	54.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		77.1	46.8	57.1	65.5	66.5	67.7	68.1	68.1	63.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000		37.1	45.8	57.1	65.5	66.5	67.7	68.1	68.1	63.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000		37.1	47.1	57.4	65.8	66.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000		37.1	47.4	57.7	66.1	67.1	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000		38.1	48.4	58.7	67.1	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		40.7	52.3	63.9	72.9	73.9	75.5	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000		40.7	52.6	64.2	73.2	74.2	75.8	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000		44.7	57.7	70.7	80.3	81.3	82.9	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 7000		45.2	58.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000		45.2	59.4	72.3	81.9	82.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		46.1	60.7	73.6	83.2	84.2	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000		46.8	61.3	75.2	85.2	86.1	87.7	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		47.1	61.6	75.5	85.5	86.5	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000		49.7	65.2	79.4	89.7	90.7	92.3	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500		50.3	65.8	80.3	90.7	91.6	93.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000		50.7	66.5	81.6	92.9	93.9	96.1	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800		51.0	66.8	81.9	93.2	94.2	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1600		51.3	67.1	82.6	93.9	94.8	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1400		51.3	67.1	82.9	94.2	95.2	97.4	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		51.3	67.1	83.2	94.5	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		51.3	67.1	83.2	94.5	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		51.3	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		51.6	67.4	83.6	95.2	96.1	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		51.6	67.4	83.9	95.5	96.5	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		51.6	67.4	84.2	95.8	96.8	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		51.6	67.4	84.2	95.8	96.8	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		51.6	67.4	84.2	95.8	96.8	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701

PATUXENT RIVER, MARYLAND

73-02

YEARS

MAY
MONTH

13

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		42.6	45.2	46.5	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 20000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 18000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 16000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 14000		50.3	54.5	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 12000		51.6	56.1	58.1	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 10000		53.6	59.0	61.3	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 9000		53.9	59.4	61.6	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000		56.1	62.6	65.2	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000		56.3	63.2	65.8	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000		57.1	63.4	66.1	68.1	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000		58.1	64.8	67.7	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4500		58.1	64.8	68.1	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000		59.7	66.8	70.7	73.2	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500		60.3	67.4	71.3	73.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000		66.1	74.2	78.1	81.3	81.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500		66.5	75.2	79.0	82.3	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000		67.7	76.5	81.3	85.8	86.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800		67.7	76.5	81.3	85.8	86.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1500		69.4	79.4	83.2	89.0	89.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200		70.3	79.0	83.9	89.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000		70.3	79.4	84.5	91.0	91.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900		70.7	80.0	85.2	91.6	92.6	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800		70.7	80.3	86.1	92.6	93.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700		70.7	80.3	86.1	92.9	93.9	97.1	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		71.0	80.7	86.5	93.6	94.5	97.7	97.7	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7
IV 500		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 400		71.0	80.7	86.5	93.6	94.5	98.1	98.1	98.1	98.7	98.7	98.7	99.0	99.0	99.0	99.0
IV 300		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 100		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 0		71.0	80.7	86.5	93.6	94.5	98.4	98.4	98.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701

STATION NAME
PATUXENT RIVER, MARYLAND

73-80

YEARS

AUG
MONTH

72

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	35.5	44.2	52.3	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	36.7	45.7	53.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	36.7	45.7	53.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	36.7	45.7	53.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	39.7	50.0	60.0	68.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	40.3	50.7	60.7	69.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	42.9	54.9	66.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	43.2	55.2	66.8	75.8	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 7000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 6000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4500	47.4	61.9	74.2	83.6	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4000	47.7	62.3	74.5	83.9	85.2	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	48.4	62.9	75.5	84.8	86.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	51.3	65.8	77.0	89.4	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	52.3	68.1	81.3	91.3	92.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	52.6	68.4	82.3	92.3	93.6	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	52.9	69.7	82.9	92.9	94.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	53.2	70.7	84.8	95.2	96.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	53.2	71.6	85.8	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	53.2	71.6	85.8	96.1	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-92
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.9	48.1	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000		50.3	56.8	59.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 14000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000		50.3	57.1	59.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000		54.9	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000		54.8	61.9	64.8	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 8000		59.0	67.4	71.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 7000		60.7	69.4	73.9	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000		61.0	69.7	74.2	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000		61.9	71.3	75.8	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4500		62.6	71.9	76.5	78.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000		63.2	72.9	78.1	79.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500		63.9	73.6	78.7	80.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3000		68.1	78.4	83.6	85.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500		68.4	78.7	84.5	86.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2000		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800		68.4	79.0	85.5	87.7	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500		70.3	81.0	88.7	91.3	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900		70.3	81.0	89.0	91.6	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800		70.7	81.3	89.7	92.9	93.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700		70.7	81.3	90.0	93.6	94.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600		70.7	81.3	90.0	93.6	94.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500		70.7	81.3	90.3	94.2	95.5	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.0	99.0
IV 400		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.4	99.4
IV 300		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.4	99.7	99.7
IV 200		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	100.0	100.0
IV 100		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.4	99.7	100.0	100.0
IV 0		70.7	81.3	90.3	94.5	95.8	98.1	98.7	98.7	99.0	99.4	99.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-72
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		44.5	47.7	50.0	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		74.2	57.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000		74.2	57.1	61.6	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 16000		74.5	57.4	61.9	63.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000		74.5	57.7	62.3	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000		75.5	57.4	62.9	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1800		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1200		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1000		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 900		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 800		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 700		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 600		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 500		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 400		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 300		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 200		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 100		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 0		77.4	61.9	65.5	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
PATENT RIVER, MARYLAND

73-0

YEARS

500

NORTH

01

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING	44.7	58.7	60.0	61.0	62.3	63.0	63.7	64.0	64.3	64.7	65.0	65.3	65.7	66.0	66.3	66.7
IV 20000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	41.7	63.3	68.7	71.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	51.7	67.3	69.0	71.7	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 7000	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	55.0	67.0	73.3	76.0	76.7	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000	55.7	68.0	75.0	77.7	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	56.7	69.0	76.0	78.7	79.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1200	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 900	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 800	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 700	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 600	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 400	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 300	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 200	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 100	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 0	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATUXENT RIVER, MARYLANDYEARS
75-82MONTH
MAY

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	55.2	57.7	59.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	55.2	60.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	55.5	60.7	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	56.5	61.6	64.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 10000	59.4	64.5	67.7	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	59.4	64.5	68.1	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	63.6	69.7	73.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	64.2	71.0	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	64.5	71.9	76.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	65.8	73.2	77.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	67.7	75.5	80.0	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500	68.4	76.8	81.3	83.2	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	70.0	79.4	84.2	86.1	86.5	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	70.0	80.0	85.5	87.7	88.1	88.4	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	70.0	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	70.3	80.7	86.5	89.0	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	71.3	82.3	88.1	91.0	91.3	91.9	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	71.3	82.6	88.7	91.6	91.9	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000	71.3	82.6	88.7	92.3	92.6	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	71.6	83.2	89.4	92.9	93.2	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 800	72.3	83.9	90.0	93.9	94.2	94.8	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	72.3	83.9	90.3	94.2	94.5	95.2	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	72.3	84.2	90.7	94.8	95.5	96.1	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	72.6	84.5	91.0	95.5	96.1	97.1	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	72.6	84.5	91.3	95.8	96.5	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.9	84.8	91.9	96.8	97.4	98.4	99.0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
177-1STATION NAME
PATUXENT RIVER, MARYLANDYEARS
73-82

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING		44.6	47.7	51.3	52.4	52.4	57.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8
≥ 30000		51.3	55.9	59.2	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		51.3	56.8	59.3	60.5	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1
≥ 16000		51.4	56.9	59.3	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-2
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)71
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.0	50.7	55.3	57.3	57.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000		43.3	52.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 18000		48.3	52.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000		48.3	55.7	64.7	67.0	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 14000		48.7	59.0	65.0	67.3	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 12000		49.0	59.7	65.7	68.0	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 10000		53.0	63.7	70.0	72.7	73.0	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000		53.3	64.0	70.3	73.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000		56.3	68.0	75.7	78.3	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000		56.7	68.7	76.3	79.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000		57.0	69.0	76.7	79.3	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500		57.7	69.7	77.3	80.0	80.3	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000		60.3	72.7	80.7	83.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500		61.7	74.3	82.3	85.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000		63.3	76.3	84.7	87.7	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500		63.3	76.7	85.3	88.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000		64.3	78.0	86.7	90.0	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800		64.7	78.3	87.0	90.7	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500		66.0	79.7	88.3	92.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200		66.0	80.3	89.0	92.7	93.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000		67.3	82.3	92.0	95.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900		67.7	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600		67.3	82.3	92.0	96.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400		67.7	83.0	92.7	97.0	98.3	99.0	99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		67.7	83.0	93.3	97.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

177-1
STATION

PATWENT RIVER, MARYLAND
STATION NAME

73-12
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.1	46.8	53.2	56.2	56.2	56.9	56.9	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 18000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000		44.5	51.2	58.2	62.2	62.2	62.9	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000		44.5	51.5	58.5	62.5	62.5	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000		45.2	52.2	59.2	63.2	63.2	63.9	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 10000		45.1	54.5	61.9	66.2	66.2	66.9	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000		47.2	54.9	62.2	66.6	66.6	67.2	67.3	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 8000		50.2	61.7	68.9	73.6	73.6	74.3	74.6	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000		51.2	61.7	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000		51.2	61.9	70.2	74.9	74.9	75.6	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000		51.5	62.2	70.6	75.6	75.6	76.3	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500		52.5	63.2	71.6	76.6	76.6	77.3	77.6	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000		53.2	63.9	72.2	77.3	77.3	77.9	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3500		54.5	65.6	73.9	78.9	78.9	79.6	79.9	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000		57.7	70.6	79.3	84.3	84.3	85.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500		58.9	71.6	80.6	86.0	86.0	87.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000		60.2	72.9	82.6	88.3	88.3	89.3	89.6	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800		60.2	72.9	82.9	88.6	88.6	89.6	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500		60.9	73.9	84.0	90.6	91.0	92.0	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200		61.2	74.3	84.6	91.3	91.6	92.6	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000		62.3	75.3	86.0	92.6	93.0	94.0	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900		62.5	75.6	86.3	93.0	93.3	94.7	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800		62.9	75.9	87.0	93.7	94.0	95.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700		62.7	75.9	87.0	94.0	94.3	96.0	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600		62.7	76.3	87.6	94.7	95.3	97.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500		62.7	76.3	87.6	95.3	96.0	97.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400		62.7	76.3	87.6	95.7	96.3	98.0	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300		62.7	76.3	87.6	96.7	97.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		62.7	76.3	87.6	96.7	97.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		62.7	76.3	87.6	96.0	97.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		62.7	76.3	87.6	96.0	97.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

299

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 1781

PATIENT RIVER, MARYLAND

73-4

YEARS

SEP

MONTH

13

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.7	43.5	47.2	52.5	56.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 16000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	1.7	50.2	57.2	61.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000	1.7	54.2	61.9	66.2	70.5	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 9000	1.7	54.2	62.5	66.9	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	1.7	58.5	67.2	71.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	1.7	58.5	67.4	71.9	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	1.7	58.5	68.2	72.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	1.7	60.8	69.6	74.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	1.7	61.2	70.6	75.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 4000	1.7	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500	1.7	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3000	1.7	65.9	76.3	81.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2500	1.7	66.7	78.3	84.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	1.7	67.2	79.6	85.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	1.7	68.2	79.9	86.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	1.7	69.6	82.3	88.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	1.7	69.9	82.6	89.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	1.7	69.9	82.6	89.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	1.7	69.9	82.9	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	1.7	69.9	83.3	91.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	1.7	69.9	83.3	91.3	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	1.7	69.9	83.3	91.3	97.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 300	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 200	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 100	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
IV 0	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

299

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATUXENT RIVER, MARYLANDYEARS
73-81MONTH
JUNDAY
07

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		75.7	45.0	50.0	53.7	55.0	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000		42.0	49.7	55.7	59.7	61.0	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000		42.3	50.0	56.0	60.0	61.3	63.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000		42.7	50.3	56.3	60.3	61.7	63.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000		44.3	52.7	59.7	64.0	65.3	67.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000		49.3	58.3	66.0	71.0	72.3	74.7	75.7	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 7000		50.0	59.3	67.0	72.0	73.3	75.7	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000		50.7	60.0	67.7	72.7	74.0	76.3	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500		51.3	61.3	69.0	74.0	75.3	77.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500		52.0	62.0	70.0	75.7	77.0	79.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000		53.0	63.0	71.7	77.3	79.0	81.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500		54.0	64.0	73.0	79.7	80.3	83.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000		55.7	65.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		55.7	66.7	76.3	82.0	83.7	86.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500		57.0	69.0	78.0	83.7	85.7	88.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200		57.7	69.0	79.0	84.7	86.7	89.3	90.3	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000		58.0	69.3	79.3	85.7	87.7	90.3	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900		58.3	69.7	79.7	86.0	88.0	90.7	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800		59.7	71.3	81.7	88.3	90.7	93.3	94.7	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700		59.7	71.3	81.7	88.7	91.0	93.7	95.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		60.3	71.7	82.0	89.3	91.7	94.7	96.3	96.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500		60.3	72.0	82.3	90.0	93.0	96.3	98.0	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		60.0	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200		60.3	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100		60.0	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0		60.0	72.0	82.7	90.3	93.7	97.0	98.7	98.7	99.0	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
12721STATION NAME
PATIENT RIVER, MARYLANDYEARS
73-82MONTH
SEPPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	41.3	48.3	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	1.3	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	1.3	48.3	57.0	62.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	1.7	52.3	61.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	1.7	52.3	61.3	67.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	1.7	54.7	64.3	71.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	1.7	55.0	65.0	71.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	1.7	55.0	65.3	72.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	1.7	56.3	67.0	73.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	1.7	58.3	69.0	75.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	1.7	60.7	72.0	78.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	1.7	60.7	72.3	79.0	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	1.7	63.7	76.7	85.3	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	1.7	64.3	77.3	86.7	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	1.7	65.0	79.0	88.3	92.3	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	1.7	65.3	79.3	88.7	92.7	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	1.7	65.7	79.7	90.0	94.0	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	1.7	65.7	79.7	90.3	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	1.7	65.7	79.7	90.7	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
IV 900	1.7	66.0	80.3	91.3	96.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3
IV 800	1.7	66.3	80.7	91.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0
IV 700	1.7	66.3	80.7	91.7	97.0	97.3	97.7	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7
IV 600	1.7	66.7	81.0	92.0	97.3	97.7	98.0	98.0	98.3	98.7	99.3	99.3	99.7	99.7	99.7	99.7
IV 500	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 400	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 300	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 200	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PATKENT RIVER, MARYLAND

73-80

JUN

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING		41.7	44.7	48.3	50.7	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000		49.0	53.7	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000		49.0	53.7	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000		49.0	53.7	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000		49.0	53.7	57.0	59.7	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000		50.3	55.0	59.0	61.7	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000		52.0	56.7	61.7	64.3	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000		52.0	56.7	61.7	64.3	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000		58.0	64.0	69.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000		59.7	65.7	70.7	73.7	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000		60.3	66.7	71.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000		60.3	66.7	71.7	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500		61.7	68.3	73.3	76.3	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000		63.7	71.0	76.0	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500		63.7	71.0	76.0	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000		64.7	72.3	77.3	81.0	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500		65.3	73.0	78.0	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000		66.7	74.3	79.7	84.3	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800		67.0	74.7	80.0	85.0	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500		68.0	76.7	82.0	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200		68.7	77.7	83.7	89.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000		70.7	80.0	87.3	93.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900		71.3	81.0	88.7	94.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		71.3	81.0	88.7	94.3	96.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		71.7	81.3	89.0	95.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		71.7	81.3	89.0	95.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		71.7	81.3	89.3	95.3	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		71.7	81.3	89.3	95.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

73-92

YEARS

SEP

MONTH

19

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	45.3	50.7	54.3	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	47.3	53.7	59.3	63.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	47.3	54.0	59.7	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	52.3	60.0	66.3	70.7	71.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	52.3	60.3	66.7	71.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	55.3	65.0	72.3	76.7	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	56.0	66.0	73.3	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	57.3	67.3	74.7	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	59.7	70.0	77.7	82.0	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	59.3	70.7	78.3	82.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	61.7	73.3	82.0	87.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	62.3	74.7	83.3	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	64.3	78.3	87.3	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	64.7	79.7	88.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	64.7	79.7	88.0	94.3	95.0	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	64.7	79.7	88.0	94.3	95.0	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	64.7	79.7	88.0	94.7	95.3	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	64.7	79.7	88.0	95.0	95.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	64.7	79.7	88.3	95.3	96.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	64.7	79.7	88.3	95.3	96.0	98.3	98.3	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	64.7	79.7	88.3	95.3	96.3	99.0	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME77-12
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		42.3	47.3	51.3	53.7	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000		47.3	54.3	59.7	62.0	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 18000		47.3	54.3	59.7	62.0	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000		47.3	54.3	59.7	62.0	62.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 14000		47.7	54.7	60.0	62.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000		48.3	55.3	60.7	63.0	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000		52.0	59.3	65.7	68.0	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000		52.0	59.3	65.7	68.0	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000		57.7	66.7	73.0	76.0	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 7000		58.3	67.3	74.0	77.0	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000		58.3	67.3	74.3	77.3	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000		58.3	67.3	74.3	77.3	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500		58.3	67.3	74.7	77.7	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000		60.0	69.3	77.0	80.0	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500		61.3	70.7	78.7	81.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000		65.3	76.0	84.3	87.3	87.7	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500		66.7	77.7	86.0	89.3	89.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000		68.3	79.7	88.3	92.3	92.7	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800		68.7	80.0	88.7	92.7	93.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500		69.3	80.7	89.3	93.7	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200		69.3	80.7	89.3	93.7	94.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000		69.3	81.0	90.0	94.7	95.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		69.3	81.0	90.0	94.7	95.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		69.3	81.0	90.0	95.0	95.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700		69.3	81.0	90.0	95.0	95.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600		69.3	81.0	90.0	95.0	95.7	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500		69.3	81.0	90.0	95.3	96.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400		69.3	81.0	90.3	95.7	96.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		69.3	81.0	90.3	95.7	96.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATIENT RIVER, MARYLAND

73-32

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		43.7	47.3	51.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000		42.3	54.3	64.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000		53.7	58.7	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000		53.7	59.3	65.7	69.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 14000		53.3	58.7	66.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000		53.7	60.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000		55.3	62.7	69.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000		56.0	63.3	69.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 8000		59.3	68.0	74.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000		60.3	69.0	76.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000		60.7	69.3	76.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000		61.3	70.3	77.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500		62.7	71.7	78.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000		63.3	72.7	80.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500		64.3	74.0	81.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000		68.7	78.3	86.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500		69.7	79.3	88.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000		69.3	79.7	88.3	94.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1800		69.7	80.0	88.7	94.7	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1500		70.0	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200		70.7	80.3	89.7	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000		70.3	80.7	90.3	96.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		70.3	80.7	90.3	96.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		71.3	81.7	91.7	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700		71.3	81.7	91.7	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600		71.3	81.7	91.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500		71.3	81.7	91.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		71.3	81.7	91.7	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		71.3	81.7	91.7	96.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATOKENT RIVER, MARYLAND

73-90

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	.7	41.3	49.0	53.7	56.5	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 20000	.3	46.1	54.4	59.5	62.8	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 18000	.9	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 16000	.9	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 14000	.9	46.1	54.5	59.5	62.9	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	.7	46.5	55.0	60.2	63.4	63.9	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 10000	.3	50.0	59.4	64.9	68.7	69.3	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 9000	.3	50.3	59.8	65.5	69.3	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 8000	.3	53.7	64.0	70.2	74.2	74.8	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
IV 7000	.3	54.1	64.5	70.7	74.7	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 6000	.3	54.3	64.8	71.1	75.2	75.8	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
IV 5000	.3	55.1	65.6	72.2	76.3	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	.3	56.2	66.9	73.5	77.7	78.3	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
IV 4000	.3	57.0	68.5	75.2	79.5	80.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	.3	58.2	69.2	76.0	80.3	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
IV 3000	.3	60.2	72.7	80.4	84.8	85.6	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	.3	60.9	73.7	81.6	86.2	87.0	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2
IV 2000	.3	61.9	75.1	83.3	88.2	89.1	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	.3	61.9	75.2	83.5	88.5	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.6
IV 1500	.3	62.9	77.0	85.9	91.0	92.0	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.5
IV 1200	.3	63.2	77.5	86.5	91.7	92.8	93.7	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3
IV 1000	.3	63.4	78.0	87.5	93.1	94.3	95.2	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	.3	63.6	79.2	87.9	93.5	94.7	95.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.3
IV 800	.3	63.7	79.5	88.3	94.2	95.4	96.4	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	.3	63.7	79.6	88.6	94.7	96.0	97.1	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.9
IV 600	.3	63.8	79.7	88.9	95.1	96.5	97.7	98.0	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.6
IV 500	.3	63.9	79.7	89.1	95.3	96.8	98.4	98.8	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.4
IV 400	.3	63.9	79.7	89.1	95.5	97.0	98.7	99.1	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	.3	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.8	99.8	99.8	99.9	99.9	100.0
IV 200	.3	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	.3	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	.3	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17721
STATION

PATHEAENT RIVER, MARYLAND
STATION NAME

73-70
YEARS

JUN
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING		42.7	50.0	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.7	55.7
≥ 20000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
18000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
16000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
14000		49.7	60.3	65.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7
12000		51.3	62.0	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7	70.7
10000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
9000		55.0	66.7	72.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.3	75.3
8000		59.0	71.7	77.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	80.7
7000		50.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0
6000		50.7	73.3	79.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.0	83.0
5000		51.3	74.0	80.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7	84.0	84.0
4500		53.3	76.0	82.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.3	86.7	86.7
4000		55.0	78.3	85.0	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	89.0	89.0
3500		55.7	79.3	86.3	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.3
3000		56.0	79.7	87.0	89.7	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.3
2500		56.3	80.0	87.3	90.0	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.7
2000		57.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3
1800		57.7	81.7	89.3	92.3	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.0	94.3
1500		57.7	81.7	90.0	93.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3	95.7
1200		57.7	82.0	90.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7	96.0
1000		58.0	82.3	91.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.3	96.7
900		58.0	82.7	91.3	95.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	97.0
800		58.0	83.3	92.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.7	98.0
700		58.3	83.7	93.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.7
600		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
500		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
400		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
300		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
200		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
100		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3
0		58.3	84.0	93.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATIENT RIVER, MARYLAND

72-90

YEARS

OCT

MONTH

01

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	56.5	60.7	63.9	64.5	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 12000	.3	58.4	63.2	66.5	67.1	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 10000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	.3	63.9	69.4	72.6	73.2	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	.3	64.5	70.0	73.2	73.9	74.2	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 6000	.3	65.2	70.7	73.9	74.5	74.8	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	.3	66.5	71.9	75.5	76.1	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	.3	70.3	76.1	79.7	80.3	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	.3	71.9	76.4	82.3	82.9	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	.3	72.6	79.4	83.2	83.9	84.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	.3	73.9	81.0	84.8	85.5	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	.3	74.8	82.3	86.8	87.4	87.7	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	.3	75.2	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	.3	75.8	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	.3	76.1	84.5	89.7	91.0	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 900	.3	76.5	84.8	90.0	91.6	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	.3	76.5	85.2	90.3	91.9	92.3	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	.3	76.5	85.2	90.7	92.6	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	.3	76.5	85.5	91.3	93.6	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	.3	76.5	85.1	91.9	94.2	95.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	.3	77.1	86.8	92.6	95.2	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS IN MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING		47.3	55.7	65.0	62.3	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000		50.7	60.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 18000		50.7	60.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000		50.7	60.0	66.0	68.3	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000		51.3	60.7	66.7	69.0	69.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 12000		51.7	61.0	67.0	69.3	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000		54.7	64.7	70.7	73.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000		55.0	65.0	71.0	73.3	73.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 8000		59.0	70.3	77.0	79.3	79.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 7000		59.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000		59.7	71.0	78.0	80.3	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000		60.7	72.3	80.0	82.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500		61.0	72.7	80.3	83.0	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4000		62.3	74.0	82.7	85.3	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3500		62.7	74.3	83.0	85.7	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000		64.0	76.0	85.7	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500		64.7	77.0	86.7	89.3	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000		65.3	77.7	87.7	90.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800		65.3	78.0	88.0	91.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500		67.3	80.3	90.7	93.7	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200		67.7	80.7	91.0	94.0	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000		68.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900		68.7	82.0	92.7	95.7	96.0	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800		68.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700		68.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600		68.7	82.3	93.0	96.0	96.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500		69.0	82.7	93.3	96.3	97.0	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400		69.0	82.7	94.0	97.0	97.7	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 200		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 100		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 0		69.0	82.7	94.3	97.3	98.0	99.3	99.3	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
10701

STATION NAME
PATENT FORT, MARYLAND

77-1

YEARS

007

MONTH

07

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	44.2	43.1	42.6	54.2	54.2	55.5	55.8	55.9	56.1	56.5	56.5	56.5	56.5	56.5	57.4
≥ 20000	1.0	46.7	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 18000	1.0	46.3	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 16000	1.0	46.3	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 14000	1.0	46.3	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 12000	1.0	47.4	52.3	57.4	60.3	60.3	61.6	62.3	62.3	62.9	63.2	63.2	63.6	63.6	63.9	64.5
IV 10000	1.0	49.4	54.5	59.7	62.6	62.6	63.9	64.5	64.5	65.2	65.5	65.5	65.5	65.8	66.1	66.5
IV 9000	1.0	50.0	55.2	60.3	63.2	63.2	64.5	65.2	65.2	65.8	66.1	66.1	66.5	66.5	66.8	67.4
IV 8000	1.0	55.2	60.3	66.1	69.0	69.0	70.7	71.3	71.3	71.9	72.3	72.3	72.6	72.6	72.9	73.5
IV 7000	1.0	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
IV 6000	1.0	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
IV 5000	1.0	57.1	62.6	68.7	71.9	71.9	73.6	74.2	74.2	74.8	75.2	75.2	75.5	75.5	75.8	76.5
IV 4500	1.0	58.1	64.2	70.3	73.6	73.6	75.2	75.8	75.8	76.5	76.8	76.8	77.1	77.1	77.4	78.1
IV 4000	1.0	58.2	66.1	72.3	75.8	75.8	77.4	78.1	78.1	78.7	79.0	79.0	79.4	79.4	79.7	80.3
IV 3500	1.0	61.0	67.4	74.2	77.7	77.7	79.4	80.0	80.0	80.7	81.0	81.0	81.3	81.3	81.6	82.3
IV 3000	1.0	63.2	70.0	77.1	81.0	81.0	82.9	83.6	83.6	84.2	84.5	84.5	84.8	84.8	85.2	85.8
IV 2500	1.0	64.5	71.3	79.0	83.2	83.2	85.5	86.1	86.1	86.8	87.1	87.1	87.4	87.4	87.7	88.4
IV 2000	1.0	65.2	71.9	79.7	84.2	84.2	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
IV 1800	1.0	65.2	71.9	79.7	84.2	84.2	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
IV 1500	1.0	66.1	72.9	81.0	85.5	85.5	87.7	88.4	88.4	89.0	89.4	89.4	89.7	89.7	90.0	90.7
IV 1200	1.0	66.1	73.6	82.3	86.8	86.8	89.0	89.7	89.7	90.3	90.7	90.7	91.0	91.0	91.3	91.9
IV 1000	1.0	66.5	74.2	83.2	87.7	87.7	90.0	90.7	90.7	91.3	91.6	91.6	91.9	91.9	92.3	92.9
IV 900	1.0	66.5	74.2	83.2	87.7	87.7	90.0	90.7	90.7	91.3	91.6	91.6	91.9	91.9	92.3	92.9
IV 800	1.0	66.5	74.5	84.2	89.0	89.0	91.6	92.6	92.6	93.2	93.6	93.6	93.9	93.9	94.2	94.8
IV 700	1.0	66.5	74.8	84.5	89.4	89.4	91.9	93.2	93.2	94.2	94.5	94.5	94.8	94.8	95.2	95.8
IV 600	1.0	66.5	74.8	84.8	89.7	89.7	92.6	93.9	93.9	94.8	95.2	95.2	95.5	95.5	95.8	96.5
IV 500	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 400	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 300	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 200	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 100	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 0	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

STATION NAME

73-72

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.2	41.4	53.0	55.4	55.8	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000		48.0	55.7	61.4	64.3	64.8	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 18000		48.1	55.8	61.5	64.4	64.9	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000		48.1	55.8	61.6	64.4	64.9	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0
≥ 14000		48.4	56.2	61.9	64.8	65.3	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 12000		49.0	56.9	62.7	65.6	66.1	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 10000		51.7	67.1	66.4	69.5	69.9	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1
≥ 9000		51.9	60.3	66.6	69.7	70.1	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		56.1	65.9	72.7	76.1	76.6	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 7000		57.1	67.0	74.0	77.4	77.8	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1
≥ 6000		57.3	67.3	74.2	77.7	78.1	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 5000		57.7	67.7	74.8	78.3	78.7	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0
≥ 4500		58.6	68.8	76.0	79.5	80.0	80.8	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000		58.7	70.5	78.0	81.7	82.2	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5
≥ 3500		60.7	71.4	79.0	82.8	83.2	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 3000		62.8	74.7	82.1	86.0	86.5	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 2500		63.5	74.9	83.1	87.2	87.7	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 2000		64.7	76.3	84.9	89.3	89.8	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 1800		64.9	76.5	85.1	89.6	90.1	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8
≥ 1500		65.8	77.7	86.5	91.5	92.0	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6
≥ 1200		66.0	78.1	87.1	91.9	92.7	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		66.8	79.1	88.6	93.6	94.5	95.7	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3
≥ 900		67.0	79.4	88.9	94.0	94.8	96.1	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 800		67.4	79.9	89.5	94.7	95.6	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.6	97.7	97.7
≥ 700		67.4	80.7	89.7	94.9	95.9	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9	98.0
≥ 600		67.4	80.1	89.9	95.3	96.3	97.8	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6
≥ 500		67.5	80.2	90.1	95.7	96.8	98.4	98.3	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.3
≥ 400		67.5	80.2	90.3	95.9	97.1	98.8	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.4	99.6	99.7	99.8	99.8	99.9	99.9	100.0
≥ 200		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0		67.5	80.2	90.4	96.1	97.3	99.0	99.4	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1001STATION NAME
PATUMENT RIVER, MARYLAND

73-10

YEARS

OCT

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	3.7	56.5	57.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 9000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 8000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 7000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 6000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 2500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 2000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1800	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1200	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 900	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 800	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 700	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 600	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 400	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 300	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 200	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 100	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 0	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3

TOTAL NUMBER OF OBSERVATIONS

379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14701STATION NAME
PATUXENT RIVER, MARYLAND

73-82

YEARS

JUL

MONTH

01

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		39.7	49.7	56.1	59.4	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 18000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 16000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 14000		43.6	55.8	65.2	69.4	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.6
IV 12000		44.2	56.5	65.8	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6
IV 10000		46.1	58.4	68.7	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5
IV 9000		46.1	58.4	68.7	74.2	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5
IV 8000		49.0	62.9	74.8	81.0	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2
IV 7000		49.7	63.6	75.5	81.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9
IV 6000		49.7	63.6	75.5	81.6	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9
IV 5000		50.7	64.8	76.8	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5
IV 4500		50.7	64.8	76.8	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.5
IV 4000		51.0	65.8	78.4	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4
IV 3500		51.0	66.5	79.0	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.1
IV 3000		52.3	68.1	81.9	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.9
IV 2500		52.3	68.4	82.3	90.0	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.3
IV 2000		53.2	69.4	83.2	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.9
IV 1800		53.6	69.7	83.6	91.9	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5
IV 1500		53.9	70.7	85.2	93.6	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5
IV 1200		54.2	71.0	85.5	93.9	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1
IV 1000		54.2	71.0	85.8	94.2	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4
IV 900		54.3	71.9	86.8	95.2	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4
IV 800		55.2	72.3	87.4	95.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0
IV 700		55.2	72.3	87.4	95.8	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4
IV 600		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 500		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 400		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 300		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 200		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 100		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 0		55.2	72.3	87.4	96.1	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: PATENT DIVISION, MARYLAND STATION: 73- YEARS: OCT MONTH: 15 HOURS: 11.5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	61.3	53.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
18000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
16000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14000	1.3	58.1	60.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
12000	1.3	58.4	60.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
10000	1.6	60.3	62.3	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
9000	1.6	60.7	62.6	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
8000	1.9	65.3	69.7	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
7000	1.9	66.5	69.7	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
6000	1.9	66.8	71.0	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
5000	1.9	67.4	71.7	72.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
4500	1.9	69.1	72.3	73.9	74.2	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
4000	1.9	71.3	74.8	76.5	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3500	2.3	74.5	77.7	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
3000	2.3	80.0	84.2	85.8	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2500	2.3	80.7	84.2	86.5	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2000	2.3	81.9	86.1	88.1	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800	2.3	81.9	86.1	88.1	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1500	2.3	82.6	87.4	89.7	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1200	2.3	82.6	87.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1000	2.3	83.0	87.4	91.6	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
900	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
800	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
700	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
600	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
500	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
400	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
300	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
200	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
100	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1.721
STATIONPATIENT RIVER, MARYLAND
STATION NAME73-72
YEARSJUL
MONTH34
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING		35.7	46.1	55.5	61.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000		39.0	51.6	62.6	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000		39.0	51.6	62.6	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000		39.0	51.6	62.6	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000		39.0	51.6	62.6	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000		40.0	52.9	63.9	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000		41.9	56.1	67.1	75.5	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		41.9	56.1	67.1	75.5	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000		44.5	57.7	71.6	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000		44.5	61.0	72.6	82.3	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		44.5	61.0	72.6	82.3	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000		45.2	67.3	73.2	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500		46.1	61.3	74.2	84.8	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000		47.1	62.6	75.5	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		47.4	63.2	76.1	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		48.4	65.2	78.4	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		48.4	65.2	78.4	89.7	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000		48.4	65.5	78.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800		48.4	65.5	78.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500		48.4	65.5	78.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200		48.7	67.1	81.3	92.6	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		49.0	68.1	82.9	94.5	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		49.0	68.1	82.9	94.5	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		49.4	68.4	83.2	95.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		49.4	68.4	83.6	95.5	98.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		49.4	68.4	83.9	95.8	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT RIVER, MARYLAND

73-0

YEARS

OCT

MONTH

15

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.3	1.0	54.2	55.2	55.5	55.3	55.1	55.3	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 18000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 16000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 14000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 8000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 6000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 3500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 3000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1800	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1200	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 900	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 800	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 700	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 600	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 400	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 300	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 200	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 100	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 0	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: PATENT RIVER, MARYLAND STATION NAME: 73-12 YEARS: MONTH: JUL DAY: 17 HOURS (L & T):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.0	35.4	46.0	51.4	53.4	56.0	58.3	58.7	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6
≥ 20000	32.7	40.5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 18000	32.7	40.5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 16000	32.7	40.5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 14000	32.7	40.5	50.5	56.3	58.3	61.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8
≥ 12000	33.7	41.4	51.5	57.3	59.2	62.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.7	64.7
≥ 10000	37.9	46.3	57.6	65.1	67.6	70.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1
≥ 9000	37.9	46.3	57.6	65.1	67.6	70.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.1	73.1
≥ 8000	40.0	51.5	64.7	73.8	76.7	79.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
≥ 7000	41.1	52.1	65.4	74.4	77.4	80.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.9	82.9
≥ 6000	41.1	52.1	65.4	74.4	77.4	80.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	83.2	83.2
≥ 5000	42.1	53.1	66.7	76.4	79.3	82.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1
≥ 4500	42.4	53.7	67.3	77.0	79.9	83.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.8	85.8
≥ 4000	43.0	54.4	68.0	78.0	80.9	84.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7
≥ 3500	43.4	54.7	68.6	79.0	81.8	85.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 3000	44.0	55.7	69.9	80.6	83.5	87.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6	89.6
≥ 2500	44.0	55.7	70.2	80.9	84.1	87.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0	90.0
≥ 2000	44.7	56.3	70.9	81.6	84.8	88.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.6
≥ 1800	44.7	56.3	70.9	81.6	85.1	88.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9
≥ 1500	45.6	57.3	71.8	83.2	86.7	90.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	92.9
≥ 1200	45.6	57.3	72.6	84.1	87.7	91.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.9	93.9
≥ 1000	45.6	58.6	74.1	86.1	89.6	93.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1	96.1
≥ 900	45.6	58.6	74.4	86.4	90.0	93.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.4	96.4
≥ 800	46.0	59.7	74.8	86.7	90.3	94.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
≥ 700	46.3	59.6	75.4	87.4	90.9	95.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1
≥ 600	46.3	59.6	75.4	87.4	91.6	95.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
≥ 500	46.6	59.9	75.7	88.0	92.2	96.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7
≥ 400	46.6	59.9	75.7	88.0	92.2	96.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7
≥ 300	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	46.6	59.9	75.7	88.0	92.2	96.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 309

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME IV-1, WYOMING

77-0

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS 11.5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	53.7	57.1	59.0	57.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	54.7	62.6	65.2	65.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 8000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 2500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 2000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1800	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1200	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 900	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 800	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 700	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 600	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 400	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 300	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 200	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 100	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 0	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

77-00

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	40.1	40.0	52.3	56.6	68.3	59.2	60.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 18000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 16000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 14000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 12000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 10000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 9000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 7000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 6000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 5000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1800	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1200	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 1000	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 900	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 800	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 700	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 600	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 500	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 400	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 300	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 200	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 100	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 0	1.0	44.3	50.2	59.2	64.4	66.5	67.3	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION PATENT RIVER, WARELAND 73-72 YEARS NORTH OCT 22 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1200	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 900	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 700	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 600	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 400	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 300	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 200	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 100	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7

TOTAL NUMBER OF OBSERVATIONS 174

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION PATIENT RIVER, MARYLAND

77-1

YEARS

JUL

MONTH

17

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	1.7	41.7	47.7	55.2	53.7	55.4	60.0	70.7	70.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	1.7	47.4	55.9	64.8	63.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	1.7	47.4	55.9	64.8	63.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.7	47.4	55.9	64.8	63.7	69.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.7	47.4	55.9	65.2	65.0	69.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	1.7	46.1	56.0	66.1	70.0	70.7	71.5	72.3	72.7	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	1.7	46.4	59.4	68.7	72.6	73.2	74.2	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	1.7	49.4	58.4	68.7	72.6	73.2	74.2	74.3	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	1.7	50.7	61.0	71.3	76.5	77.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	1.7	50.7	61.0	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	1.7	50.7	61.0	71.6	76.8	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	1.7	51.0	61.0	72.6	77.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	1.7	51.0	62.3	73.2	78.4	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	1.7	51.0	62.6	73.6	79.7	80.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	1.7	51.0	62.9	73.9	79.7	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	1.7	54.7	67.4	81.0	88.1	89.7	91.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500	1.7	56.1	69.0	82.9	90.3	92.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	1.7	56.5	69.4	83.6	91.3	93.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	1.7	56.5	69.4	83.9	91.6	93.6	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	1.7	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	1.7	57.4	71.3	85.8	93.9	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	1.7	57.4	71.3	85.8	94.2	96.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.7	57.4	71.3	85.8	94.2	96.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.7	57.4	71.3	85.8	94.8	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: FULTON, IVORY, N.C. STATION: 71-12 MONTH: OCT NORTH: ALL HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	.7	52.0	55.6	57.6	58.4	58.4	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2
≥ 20000	.5	56.3	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.9	64.9
IV 18000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 16000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 14000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 12000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 10000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 9000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 8000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 7000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 6000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 5000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 4500	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 4000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 3500	1.1	71.7	77.6	81.3	82.3	82.6	83.1	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.7	83.8
IV 3000	1.1	74.3	80.6	84.5	85.1	85.3	85.8	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.4	86.5
IV 2500	1.1	75.2	81.5	85.8	87.3	87.7	88.2	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.8	88.9
IV 2000	1.1	76.1	82.7	87.3	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
IV 1800	1.1	76.1	82.7	87.3	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
IV 1500	1.1	76.1	82.7	87.3	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
IV 1200	1.1	77.0	84.3	89.1	91.3	91.4	92.5	92.8	92.8	92.9	92.9	93.0	93.0	93.1	93.2	93.3
IV 1000	1.1	77.2	84.9	89.8	92.2	92.7	93.5	93.9	93.9	94.0	94.0	94.1	94.1	94.2	94.3	94.4
IV 900	1.1	77.4	85.1	90.2	92.7	93.2	94.2	94.6	94.6	94.7	94.7	94.8	94.8	94.9	95.0	95.1
IV 800	1.1	77.5	85.4	90.7	93.3	93.8	94.8	95.2	95.2	95.3	95.3	95.4	95.4	95.5	95.6	95.7
IV 700	1.1	77.6	85.6	91.1	93.7	94.4	95.5	95.9	95.9	96.0	96.0	96.1	96.1	96.2	96.3	96.4
IV 600	1.1	77.6	85.7	91.4	94.1	94.8	96.7	96.4	96.4	96.5	96.5	96.6	96.6	96.7	96.8	96.9
IV 500	1.1	77.7	85.9	91.6	94.4	95.2	96.5	97.1	97.1	97.2	97.2	97.3	97.3	97.4	97.5	97.6
IV 400	1.1	77.7	86.1	91.9	94.8	95.6	97.1	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.1	98.2
IV 300	1.1	77.7	86.1	91.9	94.8	95.7	97.3	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 200	1.1	77.7	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 100	1.1	77.7	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 0	1.1	77.7	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4

TOTAL NUMBER OF OBSERVATIONS

2470

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PATUXENT RIVER, MARYLAND

73-

YEARS

J 1

MONTH

1

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	37.9	45.0	51.7	54.8	55.8	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.3	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	1.0	41.7	50.7	55.7	54.5	55.5	56.1	56.8	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	1.0	42.3	51.9	56.3	56.5	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	1.0	45.1	55.5	65.5	73.2	74.2	74.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	1.0	45.1	55.5	66.1	73.9	74.5	75.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	1.0	45.1	59.7	71.3	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	1.0	45.1	59.7	71.3	79.4	80.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	1.0	45.1	60.0	71.3	79.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	1.0	45.1	60.0	71.3	80.0	81.0	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	1.0	45.1	60.0	71.3	80.0	81.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	1.0	45.1	61.7	73.6	82.6	83.6	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	1.0	45.1	61.0	73.9	82.9	83.9	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	1.0	45.1	66.5	81.0	91.9	93.2	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	1.0	53.2	67.1	81.6	93.2	94.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	1.0	53.6	67.4	82.3	93.9	95.2	96.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	1.0	53.6	67.4	82.3	93.9	95.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	1.0	53.6	67.4	83.2	94.9	96.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	1.0	53.6	67.4	83.2	94.9	96.1	97.7	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	1.0	53.6	67.4	83.6	95.8	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	1.0	53.6	67.4	83.6	95.8	97.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	1.0	53.6	67.4	83.6	96.1	97.4	98.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-52
YEARSNOV
MONTH01
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	58.7	67.0	61.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.7	64.3
≥ 20000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
18000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
16000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
14000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
12000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
10000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.3	71.3
9000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.3	71.3
8000	1.0	68.3	70.7	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.7	76.7
7000	1.0	70.3	72.7	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.7	78.7
6000	1.0	70.7	73.3	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.3	79.3
5000	1.0	71.0	73.7	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	79.7
4500	1.0	71.3	74.7	76.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.7	80.7
4000	1.0	72.7	75.3	77.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.0	82.0
3500	1.0	74.0	76.7	78.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.3	83.3
3000	1.0	75.7	78.3	80.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.3	85.3
2500	1.0	76.7	79.7	82.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	87.0
2000	1.0	77.0	80.0	82.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7	87.7
1800	1.0	77.3	80.7	83.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3	88.3
1500	1.0	77.3	81.0	83.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	89.0
1200	1.0	78.3	82.3	85.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	90.3
1000	1.0	78.7	83.0	85.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	91.3
900	1.0	78.7	83.7	86.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.3
800	1.0	78.7	83.7	87.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.7	92.7
700	1.0	79.3	84.3	88.0	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.0	94.0
600	1.0	79.3	84.7	88.3	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	94.3
500	1.0	79.3	85.0	88.7	92.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7	95.7
400	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
300	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	98.7
200	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	98.7
100	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	98.7
0	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	98.7

TOTAL NUMBER OF OBSERVATIONS

100

DIPNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

2

STATION NAME: PATENT RIVER, MARYLAND STATION: 73-10 YEARS: JUL MONTH: 19 HOURS (L & Y):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅕	≥ ⅐	≥ 0
NO CEILING	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
≥ 20000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 18000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 16000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 14000	41.6	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 12000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 10000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 9000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 8000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 7000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 6000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 5000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 4500	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 4000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 3500	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 3000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 2500	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 2000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1800	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1500	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1200	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 1000	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 900	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 800	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 700	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 600	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 500	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 400	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 300	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 200	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 100	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2
IV 0	42.3	51.6	57.1	61.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
10771STATION NAME
PATIENT RIVER, MARYLANDYEARS
73-72MONTH
NOVDAY
24

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	55.3	58.3	58.7	59.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.7	62.3
≥ 20000	1.0	59.3	62.7	63.0	64.0	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.3	66.7
≥ 18000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 16000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 14000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 12000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 10000	1.0	61.3	65.3	65.7	67.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	69.7
≥ 9000	1.0	61.7	65.7	66.0	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7	70.0
≥ 8000	1.0	65.3	70.7	71.3	72.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	75.3
≥ 7000	1.0	65.7	71.3	72.0	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	76.0
≥ 6000	1.0	66.0	71.7	72.3	73.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	75.0	75.0	75.0	76.3
≥ 5000	1.0	67.0	72.7	73.3	74.7	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	77.3
≥ 4500	1.0	67.3	73.0	73.7	75.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.7
≥ 4000	1.0	69.7	75.3	76.7	78.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	81.0
≥ 3500	1.0	70.3	76.0	77.3	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	81.7
≥ 3000	1.0	72.0	77.7	79.0	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3	83.7
≥ 2500	1.0	73.3	79.3	80.7	82.3	82.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	85.3
≥ 2000	1.0	74.0	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	87.0
≥ 1800	1.0	74.0	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	87.0
≥ 1500	1.0	74.0	80.7	82.3	84.3	84.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	87.3
≥ 1200	1.0	74.3	81.0	82.7	85.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	88.3
≥ 1000	1.0	75.7	83.3	85.0	87.3	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3	90.7
≥ 900	1.0	75.7	83.3	85.0	87.3	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7	89.7	91.0
≥ 800	1.0	75.7	83.7	85.3	88.0	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.3	91.7
≥ 700	1.0	75.7	84.0	86.0	88.7	89.3	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	92.7
≥ 600	1.0	75.7	84.3	86.3	89.0	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.3	93.7
≥ 500	1.0	75.7	84.7	87.0	90.3	91.3	93.0	93.3	93.3	93.3	93.3	93.3	93.7	94.0	94.0	95.3
≥ 400	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7
≥ 300	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7
≥ 200	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.7	97.0	98.3
≥ 100	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.7	97.3	98.3
≥ 0	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.7	97.3	98.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATIENT RIVER, MARYLAND

72-12

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	39.7	47.7	55.5	59.7	60.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 20000	43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 18000	43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	43.9	53.2	62.6	67.7	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	43.9	53.2	62.6	68.1	68.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	43.9	53.6	63.2	69.0	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	45.2	55.8	66.8	73.6	74.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 9000	45.5	56.1	67.1	73.9	74.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000	49.7	62.3	74.5	82.3	82.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 7000	50.0	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 6000	50.7	63.2	76.1	83.9	84.5	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000	50.7	63.9	77.7	85.5	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	51.3	64.8	78.7	87.1	87.7	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4000	51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500	51.3	65.5	80.3	89.0	89.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	51.9	67.1	81.9	91.6	92.3	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2500	52.9	68.1	82.9	92.6	93.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	53.2	68.7	83.6	93.2	93.9	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	53.2	68.7	83.9	93.6	94.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	53.2	69.4	84.8	95.2	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	53.7	69.4	84.8	95.2	95.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	54.2	69.7	85.2	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	54.5	70.3	86.1	96.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	54.5	70.3	86.1	96.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	54.5	70.3	86.1	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATUXENT RIVER, MARYLANDYEARS
73-82MONTH
NOVDAY
27

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	2.3	47.7	51.0	52.3	53.7	54.0	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.3
≥ 20000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 18000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 16000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 14000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 12000	3.3	52.3	57.0	58.3	59.7	60.3	61.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.7
IV 10000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
IV 9000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
IV 8000	3.3	59.0	64.3	67.0	68.3	69.3	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.3
IV 7000	3.3	60.0	65.3	68.3	69.7	70.7	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.3	73.7
IV 6000	3.3	60.0	66.0	69.0	70.3	71.3	72.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.3
IV 5000	3.3	61.0	66.7	69.7	71.0	72.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	75.0
IV 4500	3.3	62.7	68.3	71.7	73.0	74.0	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.7	77.0
IV 4000	3.3	64.0	70.3	74.7	76.0	77.0	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.7	80.0
IV 3500	3.3	64.7	71.0	75.3	76.7	77.7	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.7
IV 3000	3.3	65.0	71.3	75.7	77.0	78.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 2500	3.3	66.0	72.7	77.3	79.3	80.3	81.7	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.3	83.7
IV 2000	3.3	66.3	73.7	78.3	81.3	82.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.7	86.0
IV 1800	3.3	66.7	74.0	78.7	81.7	83.0	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.3
IV 1500	3.3	67.0	74.3	79.7	83.0	84.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	87.0	87.7	88.0
IV 1200	3.3	67.3	74.7	80.0	83.3	84.7	86.0	86.7	87.0	87.0	87.0	87.0	87.0	87.3	88.0	88.3
IV 1000	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.3	89.0	89.3
IV 900	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.3	89.0	89.3
IV 800	3.3	68.0	75.7	81.3	85.0	87.0	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.7	90.3	90.7
IV 700	3.3	68.0	76.0	81.7	85.7	88.0	89.3	90.3	90.7	90.7	90.7	90.7	90.7	91.0	91.7	92.0
IV 600	3.3	68.0	76.0	82.0	86.3	89.0	90.3	91.3	91.7	91.7	91.7	91.7	91.7	92.0	92.7	93.0
IV 500	3.3	68.0	76.0	82.0	87.0	89.7	91.3	92.7	93.0	93.0	93.0	93.0	93.0	93.3	94.0	94.3
IV 400	3.3	68.0	76.3	82.3	87.3	90.0	91.7	93.3	93.7	93.7	94.0	94.0	94.0	94.3	95.0	95.3
IV 300	3.3	68.0	76.3	82.3	87.3	90.3	92.3	94.3	94.7	95.3	95.7	95.7	96.0	96.3	97.0	97.3
IV 200	3.3	68.0	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.0
IV 100	3.3	68.0	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.7
IV 0	3.3	68.0	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT RIVER, MARYLAND

73-12

YEARS

JUL

MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.4	37.4	45.2	52.4	56.5	57.6	58.5	58.9	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	.4	41.2	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 18000	.4	41.2	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 16000	.4	41.2	51.0	60.1	65.3	66.6	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IV 14000	.4	41.2	51.0	60.2	65.5	66.7	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5
IV 12000	.4	42.4	51.9	61.3	66.7	68.0	69.1	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8
IV 10000	.4	44.2	55.0	65.3	71.6	72.9	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7
IV 9000	.4	44.2	55.1	65.4	71.8	73.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
IV 8000	.4	47.5	59.2	70.6	78.1	79.6	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5
IV 7000	.4	47.2	59.9	71.8	79.2	80.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6
IV 6000	.4	48.2	59.9	71.9	79.3	80.8	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
IV 5000	.4	48.6	60.5	72.8	80.6	82.1	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
IV 4500	.4	49.0	61.1	73.5	81.3	82.8	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	85.0	85.0
IV 4000	.4	49.5	62.0	74.2	82.9	84.4	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
IV 3500	.4	49.6	62.2	75.3	83.5	85.0	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2
IV 3000	.4	51.2	64.8	78.8	87.9	89.6	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0
IV 2500	.4	51.9	65.5	79.7	89.0	90.8	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
IV 2000	.4	52.3	66.1	80.5	89.9	91.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4
IV 1800	.4	52.4	66.2	80.7	90.1	91.9	93.8	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6
IV 1500	.4	52.9	67.1	82.0	91.8	93.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5
IV 1200	.4	53.7	67.3	82.4	92.2	94.2	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
IV 1000	.4	53.2	67.6	83.0	93.1	95.2	97.3	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
IV 900	.4	53.2	67.8	83.2	93.4	95.5	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
IV 800	.4	53.4	67.9	83.4	93.7	95.9	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
IV 700	.4	53.5	68.1	83.7	94.0	96.3	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 600	.4	53.5	68.1	83.7	94.1	96.4	98.7	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 500	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 400	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 300	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 200	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 100	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0
IV 0	.4	53.5	68.1	83.9	94.4	96.7	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2478

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATIENT RIVER, MARYLANDYEARS
73-82MONTH
NOV

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	52.7	55.9	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	4.0	55.5	58.9	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2
IV 18000	4.0	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 16000	4.0	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 14000	4.0	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 12000	4.0	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 10000	4.0	58.9	62.9	64.9	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2
IV 9000	4.0	59.2	63.2	65.2	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.6
IV 8000	4.0	64.9	68.9	70.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.6
IV 7000	4.0	66.2	72.6	73.2	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9
IV 6000	4.0	66.6	73.9	73.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.6
IV 5000	4.0	66.2	72.9	75.9	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6
IV 4500	4.0	65.9	74.6	78.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
IV 4000	4.0	70.9	75.6	79.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.3
IV 3500	4.0	71.9	76.6	80.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
IV 3000	4.0	72.9	77.9	82.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3
IV 2500	4.0	73.9	79.9	83.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3
IV 2000	4.0	75.3	80.3	85.0	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
IV 1800	4.0	75.6	81.6	85.3	86.3	86.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.0
IV 1500	4.0	76.3	81.3	85.3	86.3	86.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6
IV 1200	4.0	76.3	81.3	86.3	88.6	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0
IV 1000	4.0	76.3	81.3	86.6	88.6	88.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3
IV 900	4.0	76.3	81.3	87.0	89.3	89.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.0
IV 800	4.0	76.3	81.3	87.0	89.3	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6
IV 700	4.0	76.3	81.3	87.0	89.6	89.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6
IV 600	4.0	76.3	81.3	87.0	89.6	89.6	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 500	4.0	76.3	81.3	87.0	89.6	89.6	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.3
IV 400	4.0	76.6	81.6	87.6	90.3	90.3	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	96.3
IV 300	4.0	76.6	81.6	87.6	90.3	90.3	94.0	95.7	95.7	95.7	96.3	96.7	96.7	96.7	97.7	98.7
IV 200	4.0	76.6	81.6	87.6	90.3	90.3	94.0	95.7	95.7	95.7	96.3	97.0	97.0	97.0	97.7	99.7
IV 100	4.0	76.6	81.6	87.6	90.3	90.3	94.0	95.7	95.7	95.7	96.3	97.0	97.0	97.0	97.7	100.0
IV 0	4.0	76.6	81.6	87.6	90.3	90.3	94.0	95.7	95.7	95.7	96.3	97.0	97.0	97.0	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17781
STATION NUMBERPATUXENT RIVER, MARYLAND
STATION NAME

77-00

YEARS

AUG

MONTH

01

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		36.7	50.0	57.1	61.9	61.9	62.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		40.3	53.9	62.9	69.4	69.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000		40.7	54.2	63.2	69.7	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000		43.6	57.7	68.1	75.2	75.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000		43.6	57.7	68.1	75.2	75.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000		46.5	62.6	74.5	81.6	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000		46.5	63.6	75.5	82.9	83.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500		47.4	64.2	76.1	83.6	84.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5
≥ 4000		48.4	65.2	77.7	85.2	85.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	88.1	88.1	88.1
≥ 3500		48.4	65.5	76.1	85.8	86.5	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.7	88.7	88.7
≥ 3000		50.3	69.0	82.6	90.7	91.3	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.6	93.6	93.6
≥ 2500		50.7	69.4	83.2	91.3	91.9	93.6	93.9	93.9	93.9	93.9	93.9	93.9	94.2	94.2	94.2
≥ 2000		50.7	69.4	83.2	91.3	91.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5
≥ 1800		51.3	69.7	83.6	91.6	92.3	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8	94.8
≥ 1500		51.3	70.0	84.2	92.3	92.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8
≥ 1200		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5
≥ 1000		51.9	70.7	84.8	92.9	93.6	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5	96.5
≥ 900		52.6	71.7	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1
≥ 800		52.6	71.3	86.1	94.2	94.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1	98.1
≥ 700		52.6	71.9	86.8	94.8	95.8	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
≥ 600		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 500		52.6	71.9	87.1	95.2	96.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7	99.7
≥ 400		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 300		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 200		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
0		52.6	71.9	87.1	95.2	96.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION PATUXENT RIVER, MARYLAND STATION NAME 73-12 YEARS NOV MONTH 13 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	48.3	51.7	51.3	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	4.3	56.3	59.7	60.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	4.3	56.3	59.3	60.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	4.3	56.3	59.3	60.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	4.3	56.3	60.0	60.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	4.3	57.0	60.3	61.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	4.3	60.7	64.3	65.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	4.3	61.7	64.3	65.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	4.3	65.7	69.7	70.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	4.3	66.3	70.7	71.7	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000	4.3	67.3	70.7	72.3	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 5000	4.3	67.3	71.7	73.3	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	4.3	69.3	73.0	75.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	4.3	73.3	77.7	79.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3500	4.3	73.7	78.3	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	4.3	77.3	82.0	84.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	4.3	77.7	83.0	85.7	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	4.3	78.3	83.3	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	4.3	78.0	83.7	86.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	4.3	78.7	84.7	87.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	4.3	78.7	84.7	88.0	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	4.3	78.7	84.7	88.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	4.3	78.7	85.3	89.0	92.3	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	4.3	78.7	85.3	89.3	92.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	4.3	78.7	85.3	89.3	92.7	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	4.3	78.7	85.3	89.7	93.0	93.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	4.3	78.7	85.7	90.0	94.3	95.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	4.3	78.7	85.7	90.0	94.7	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
1 701STATION NAME
PATIENT RIVER, MARYLANDYEARS
73-82

AUG

MONTH

04

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING		34.5	45.1	58.1	66.1	66.5	67.7	68.1	69.1	69.1	68.1	68.1	68.1	68.1	68.1
≥ 20000		77.1	52.9	63.9	72.6	72.9	74.5	74.8	74.9	74.8	74.9	74.8	74.8	74.8	74.8
≥ 18000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000		37.1	52.9	63.9	72.6	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000		37.4	53.2	64.2	73.2	73.6	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000		39.7	55.8	67.1	76.8	77.1	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 9000		39.7	55.8	67.1	76.8	77.1	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000		42.3	59.4	71.9	81.6	81.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000		42.6	59.7	72.3	81.9	82.3	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500		42.7	60.0	72.6	82.3	82.6	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		44.5	62.3	75.5	85.2	85.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500		45.2	63.2	76.5	86.5	86.8	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		46.3	65.8	79.0	89.4	89.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		47.4	66.5	79.7	90.0	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		47.7	66.8	80.0	90.3	90.7	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		48.4	67.4	81.0	91.3	91.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500		48.4	67.7	81.6	92.3	92.6	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		48.4	67.7	81.6	92.9	93.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		48.7	69.1	82.6	93.9	94.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		48.7	69.1	82.6	94.2	94.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		48.7	69.1	82.9	94.5	95.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		48.7	69.4	83.6	95.2	95.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		48.7	69.7	83.9	95.5	96.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		48.7	69.7	84.2	95.8	96.2	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		48.7	69.4	84.5	96.1	97.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17731
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSNCV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	47.0	48.7	49.3	49.3	49.7	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	4.0	62.0	64.3	65.0	66.0	66.3	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	4.0	62.0	65.0	65.7	66.7	67.0	67.3	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	4.0	69.3	73.0	73.7	75.0	75.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	4.0	70.7	74.3	74.7	76.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	4.0	70.7	74.3	75.0	76.7	77.0	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	4.0	72.0	76.0	76.7	78.3	78.7	79.0	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	4.0	73.3	77.7	78.7	80.3	80.7	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	4.0	76.3	81.7	83.0	84.7	85.3	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	4.0	77.3	82.7	84.3	86.0	86.7	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	4.0	78.3	84.0	86.3	88.3	89.0	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	4.0	78.3	84.0	86.7	89.0	89.7	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	4.0	78.3	84.3	87.0	89.3	90.3	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	4.0	79.0	85.0	87.7	90.3	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	4.0	79.7	85.7	88.3	91.0	92.0	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	4.0	79.7	86.7	88.7	91.3	92.3	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	4.0	80.0	86.3	89.0	91.7	93.0	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	4.0	80.0	86.3	89.3	92.0	93.3	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	4.0	80.0	86.3	89.7	92.3	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	4.0	80.0	86.3	90.0	92.7	94.0	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	4.0	80.0	86.3	90.0	92.7	94.0	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	4.0	80.3	86.7	90.3	93.3	94.7	96.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	4.0	80.3	87.0	90.7	93.7	95.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUMENT RIVER, MARYLAND
STATION NAME73-82
YEARSAUG
MONTH07
HOURS (L & T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING		25.2	34.5	41.6	51.9	53.9	57.1	57.1	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000		29.7	39.7	47.1	58.7	61.0	64.5	64.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000		30.3	40.7	48.1	59.7	61.9	65.5	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000		30.3	40.7	48.1	59.7	61.9	65.5	65.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5
≥ 10000		33.9	44.8	52.9	65.2	68.7	73.6	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000		33.9	44.8	52.9	65.2	68.7	73.6	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000		38.1	51.3	61.6	74.5	78.1	83.6	84.2	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000		36.7	51.9	62.3	75.2	78.7	84.2	84.8	84.8	85.2	85.5	85.5	85.5	85.5	85.5	85.5
≥ 6000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		39.0	52.3	62.6	75.5	79.0	84.5	85.2	85.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500		39.7	53.2	63.9	78.4	81.9	87.4	88.4	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000		40.3	53.9	65.5	80.3	84.2	89.7	90.7	90.7	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500		40.7	54.2	65.8	80.7	84.5	90.0	91.0	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500		41.0	54.5	66.5	81.3	85.2	90.7	91.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		42.3	55.1	68.4	83.7	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		42.3	55.1	68.4	83.7	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900		42.3	55.1	68.4	83.7	88.1	93.6	94.5	94.5	94.8	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0		43.2	57.4	69.7	86.5	91.3	96.8	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATUMENT RIVER, MARYLAND

73-12

YEAR

NOV

MONTH

19

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	51.7	51.3	54.7	55.7	55.7	56.3	55.3	55.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	56.7	62.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	55.7	62.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	55.7	62.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	59.3	62.7	62.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	59.3	61.0	62.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	69.3	71.7	74.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	70.0	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 6000	70.0	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	70.7	73.3	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	72.7	75.3	78.3	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	75.7	76.7	82.0	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	75.7	79.7	82.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	78.0	81.7	85.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	78.0	81.7	85.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	78.0	82.7	88.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	78.3	83.7	89.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	79.7	84.3	90.0	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	79.7	84.3	90.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	79.7	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	79.0	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 600	79.0	84.3	90.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	79.0	84.3	90.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	79.0	84.3	90.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 300	79.0	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 200	79.7	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 100	79.0	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 0	75.0	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14701STATION NAME
PATENT RIVER, MARYLANDYEARS
73-

NCV

MONTH

72

HOURS 11.5 T.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.3	54.3	56.7	57.0	57.3	58.0	59.0	58.7	59.7	59.7	59.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	62.0	64.0	65.3	66.3	67.0	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	62.0	64.0	65.3	66.3	67.0	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	67.3	69.3	71.0	72.3	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	70.0	72.3	74.0	75.3	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	70.3	72.7	74.3	75.7	76.3	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	71.3	73.7	75.3	76.7	77.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	73.0	75.3	77.0	78.3	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	74.7	77.3	79.3	80.7	81.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	76.0	79.3	81.3	82.7	83.3	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	76.0	81.7	83.7	85.0	85.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	78.3	82.0	84.0	85.7	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1600	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1400	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1200	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 600	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 500	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 400	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 300	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 200	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 100	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 0	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

YEAR

1997

13

NUMBER 11 5 7

[illegible]

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PATENT RIVER, MARYLAND

73-72

NOV

MONTH

ALL

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	2.1	11.4	54.3	55.2	54.1	56.3	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
IV 20000	2.3	17.4	51.1	51.2	52.0	52.3	52.7	52.8	52.9	53.0	52.9	52.9	52.9	52.9	53.1	53.4
IV 18000	2.3	17.4	51.2	51.3	52.2	52.4	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.6
IV 16000	2.3	17.4	50.2	51.3	52.2	52.4	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.6
IV 14000	2.3	17.5	50.3	51.4	52.3	52.5	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.7
IV 12000	2.3	17.8	50.6	51.7	52.6	52.7	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	54.0
IV 10000	2.3	50.1	64.0	65.4	66.7	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.2
IV 9000	2.3	1.1	64.2	65.6	66.9	67.2	67.6	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.4
IV 8000	2.3	66.1	69.7	71.5	73.0	73.3	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.7
IV 7000	2.3	67.3	71.1	73.0	74.6	74.9	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	76.2
IV 6000	2.3	67.7	71.5	73.5	75.0	75.3	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.2	76.3	76.7
IV 5000	2.3	68.7	72.6	74.5	76.1	76.4	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.8
IV 4500	2.3	70.1	73.9	76.1	77.8	78.1	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.5
IV 4000	2.3	72.1	75.4	79.0	80.8	81.1	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.6
IV 3500	2.3	73.1	77.6	80.1	82.0	82.3	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.3	83.7
IV 3000	2.3	74.6	79.3	82.1	84.1	84.4	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.6	86.0
IV 2500	2.3	75.3	80.2	83.2	85.3	85.6	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.8	87.2
IV 2000	2.3	75.7	80.9	84.2	86.5	87.0	87.6	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.2	88.6
IV 1800	2.3	76.1	81.2	84.5	86.8	87.3	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.9
IV 1500	2.3	76.2	81.7	85.2	87.8	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.6	90.0
IV 1200	2.3	76.5	82.1	85.7	88.4	89.0	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.3	90.7
IV 1000	2.3	76.9	82.7	86.5	89.4	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.5	91.9
IV 900	2.3	76.9	83.0	86.9	89.9	90.6	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.4
IV 800	2.3	77.0	83.1	87.2	90.3	91.1	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.6	93.0
IV 700	2.3	77.1	83.3	87.6	90.8	91.7	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.4	93.8
IV 600	2.3	77.1	83.4	87.7	91.0	92.2	93.2	93.7	93.9	93.8	93.8	93.8	93.8	93.9	94.1	94.5
IV 500	2.3	77.1	83.6	88.0	91.4	92.9	94.1	94.8	94.8	95.0	95.0	95.1	95.2	95.2	95.4	95.8
IV 400	2.3	77.2	83.9	88.5	92.2	93.8	95.1	96.1	96.2	96.5	96.6	96.7	96.8	96.8	97.0	97.4
IV 300	2.3	77.2	83.9	88.5	92.2	93.9	95.4	96.5	96.5	97.0	97.2	97.3	97.4	97.5	97.8	98.2
IV 200	2.3	77.2	83.9	88.5	92.3	94.1	95.6	96.8	96.9	97.5	97.8	97.9	98.1	98.2	98.7	99.4
IV 100	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.0	97.5	97.9	98.0	98.3	98.4	98.9	99.9
IV 0	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.0	97.5	97.9	98.0	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2389

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-72
YEARSAUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.2	47.2	53.9	67.7	80.7	81.2	1.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	40.7	51.4	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	40.7	51.4	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000	40.7	51.4	62.3	71.7	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	41.3	52.6	63.6	71.9	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 12000	41.3	52.6	64.2	72.6	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000	42.4	55.5	66.3	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	42.4	55.5	66.8	75.5	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 8000	43.9	57.4	69.0	78.4	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 7000	44.2	57.7	69.7	79.3	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	44.5	58.1	70.0	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	44.5	58.1	70.0	79.7	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	45.2	58.7	70.7	80.3	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4000	46.5	60.7	72.6	82.6	83.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	46.8	61.0	72.9	82.9	83.6	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	49.4	65.5	79.7	91.0	91.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2500	50.3	66.8	81.3	92.9	93.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	51.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	51.0	67.4	81.9	93.9	94.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1500	51.3	67.7	82.9	95.2	95.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	51.3	67.7	83.2	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	51.6	68.1	83.9	96.1	96.3	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	51.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	51.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	51.6	68.1	83.9	96.1	96.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	51.6	68.4	84.2	96.5	97.1	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	51.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	51.6	68.7	84.5	96.8	97.4	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	51.6	68.7	84.8	97.1	97.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

73-10

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 18000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 16000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 14000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 9000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 8000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 7000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 6000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 5000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4500	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 3500	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 3000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 2500	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 2000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 1800	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 1500	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 1200	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 1000	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 900	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 800	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 700	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 600	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 500	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 400	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 300	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 200	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 100	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 0	3.2	53.6	54.2	54.5	4.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

1721
STATES

PATUMENT RIVER, MARYLAND
STATION NAME

73-22

A1:3

000000

19

MOHNS VALLEY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1701 STATION NAME DETACHMENT CIVIL, AIRFIELD 73-11 YEARS NORTH HOURS 11 5 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	1.7	48.7	47.5	49.0	50.0	50.1	50.2	50.5	50.7	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	1.7	48.7	48.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
18000	1.7	50.2	50.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
16000	1.7	50.2	50.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
14000	1.7	50.2	50.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
12000	1.7	50.5	50.4	54.1	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
10000	1.7	58.5	58.8	60.2	59.9	60.3	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
9000	1.7	57.4	58.0	60.3	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
8000	1.7	63.4	64.2	67.6	68.3	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
7000	1.7	64.1	64.3	68.0	68.6	68.6	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
6000	1.7	64.7	67.0	68.6	69.3	69.0	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
5000	1.7	66.7	67.9	71.9	71.5	71.5	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
4500	1.7	68.7	71.2	74.4	75.1	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4000	1.7	71.8	73.9	76.1	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
3500	1.7	71.2	74.9	77.3	77.7	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
3000	1.7	71.4	75.4	77.7	78.6	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2500	1.7	73.6	77.7	79.6	81.9	81.0	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2000	1.7	73.6	77.7	81.2	82.9	83.5	83.5	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1
1800	1.7	73.6	77.7	81.2	82.9	83.5	83.5	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1
1500	1.7	74.4	77.3	82.2	84.1	85.1	85.1	85.4	85.4	85.4	85.8	85.8	85.8	85.8	85.8
1200	1.7	74.4	77.7	82.5	84.0	85.4	85.4	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1
1000	1.7	75.1	77.7	83.2	85.1	86.1	86.4	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1
900	1.7	75.1	77.7	84.1	86.1	87.4	87.7	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7
800	1.7	75.1	77.7	85.0	87.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
700	1.7	75.1	81.1	87.1	88.0	88.3	89.9	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9
600	1.7	75.4	82.7	87.7	88.6	88.9	91.6	92.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9
500	1.7	75.4	82.7	88.0	88.3	88.3	91.6	92.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9
400	1.7	75.4	82.9	88.4	88.9	88.9	92.2	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2
300	1.7	75.4	82.9	88.4	88.9	88.9	92.2	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2
200	1.7	75.4	82.9	88.4	88.9	88.9	92.2	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2
100	1.7	75.4	82.9	88.4	88.9	88.9	92.2	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2
0	1.7	75.4	82.9	88.4	88.9	88.9	92.2	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-80
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	35.5	44.2	52.3	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	36.7	45.7	53.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	36.7	45.7	53.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	36.7	45.7	53.7	67.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	39.7	50.0	60.0	68.4	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	40.3	50.7	60.7	69.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	42.9	54.9	66.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	43.2	55.2	66.8	75.8	77.1	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 7000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 6000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	47.1	61.3	73.6	82.9	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4500	47.4	61.9	74.2	83.6	84.8	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4000	47.7	62.3	74.5	83.9	85.2	85.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	48.4	62.9	75.5	84.8	86.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	51.3	65.8	77.0	89.4	90.7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	52.3	68.1	81.3	91.3	92.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	52.6	68.4	82.3	92.3	93.6	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	52.9	68.7	82.9	92.9	94.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	53.2	70.7	84.5	94.8	96.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	53.2	70.7	84.8	95.2	96.5	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	53.2	71.3	85.5	95.8	97.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	53.2	71.6	85.8	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	53.2	71.6	85.8	96.1	97.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	53.6	71.9	86.1	96.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: DIPLOMAT CIVIL, NEWLAND 73-12 YEARS: 1960 NORTH: 10 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
≥ 20000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
18000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
16000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
14000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
12000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
10000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
9000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
8000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
7000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
6000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
5000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
4500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
4000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
3500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
3000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
2500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
2000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1800	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1200	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
900	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
800	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
700	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
600	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
400	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
300	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
200	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
100	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
0	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT RIVER, MARYLAND

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & D)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	73.3	43.3	51.6	59.5	69.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	30.0	49.4	59.4	67.6	68.6	70.0	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
IV 18000	38.0	49.4	59.4	67.6	68.6	70.0	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	38.7	49.4	59.4	67.7	68.6	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	38.5	50.1	60.1	68.4	69.3	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	36.8	50.7	60.7	69.0	69.9	71.3	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	41.3	53.9	64.8	72.8	74.5	76.5	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 9000	41.4	54.1	65.0	74.0	75.1	76.8	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 8000	44.1	56.2	70.2	79.6	80.8	82.6	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 7000	44.4	56.6	70.7	80.0	81.3	83.1	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 6000	44.5	57.7	70.8	80.2	81.4	83.3	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 5000	44.7	58.1	71.2	80.8	82.0	83.8	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	45.1	58.6	71.7	81.3	82.5	84.4	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000	45.2	60.5	73.1	82.9	84.2	86.1	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	46.3	61.0	73.6	83.6	84.9	86.8	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	48.6	64.2	77.7	88.2	89.6	91.5	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 2500	49.2	65.0	78.7	89.3	90.7	92.8	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2000	49.6	65.4	79.4	90.1	91.5	93.8	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	49.4	65.7	79.7	90.4	91.8	94.0	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1500	50.3	66.4	80.8	91.8	93.3	95.6	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	50.5	66.9	81.3	92.5	94.0	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	50.9	67.3	82.0	93.3	94.9	97.3	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	51.0	67.5	82.3	93.8	95.4	97.7	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	51.2	67.7	82.8	94.0	95.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	51.3	67.8	82.7	94.3	96.1	98.5	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	51.2	67.9	82.9	94.6	96.3	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	51.2	68.1	83.2	94.8	96.6	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	51.3	68.2	83.2	94.9	96.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	51.2	68.2	83.3	94.9	96.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FAITH PT. NAVY, MARYLAND YEARS 77-78 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	47.1	47.4	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 16000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	1.0	5.2	55.5	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	1.0	5.1	55.7	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 9000	1.0	5.7	56.4	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 8000	1.0	5.3	57.5	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 7000	1.0	5.2	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 6000	1.0	5.3	57.5	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 5000	1.0	5.4	57.7	58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	1.0	5.6	58.4	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4000	1.0	5.4	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 3500	1.0	70.3	77.0	78.2	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3000	1.0	71.9	78.1	77.7	79.7	79.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	1.0	74.2	77.7	80.7	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	1.0	75.5	80.2	81.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	1.0	75.5	80.2	81.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1500	1.0	76.0	81.6	83.9	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	1.0	76.5	81.9	84.8	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 600	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 300	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 200	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 100	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 0	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
PATENT RIVER, MARYLAND

73-0

YEARS

500

NORTH

01

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1	≥ 0
NO CEILING	44.7	58.7	60.0	61.0	62.3	63.0	63.7	64.0	64.3	64.7	65.0	65.3	65.7	66.0	66.3	66.7
IV 20000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	47.7	58.7	63.3	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	41.7	63.3	68.7	71.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 9000	51.7	67.3	69.0	71.7	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 7000	55.0	67.0	73.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	55.0	67.0	73.3	76.0	76.7	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000	55.7	68.0	75.0	77.7	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	56.7	69.0	76.0	78.7	79.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1200	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1000	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 900	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 800	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 700	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 600	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 500	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 400	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 300	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 200	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 100	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 0	57.0	69.3	76.3	79.0	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT IVT, MARYLAND

STATION NAME

73-32

YEARS

DEC

MONTH

16

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	46.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.0	43.0	54.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 18000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 12000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 10000	2.3	47.4	58.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	2.3	47.4	58.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000	2.3	45.8	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	2.3	46.8	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	2.3	47.1	67.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	2.3	49.7	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	2.3	71.7	74.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	2.3	73.2	75.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3500	2.3	73.8	77.1	78.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3000	2.3	75.2	77.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	2.3	76.1	82.7	82.3	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	2.3	77.7	81.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	2.3	78.1	82.3	84.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1500	2.3	78.4	82.9	85.8	87.1	87.4	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1200	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 600	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 500	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 400	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 300	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 200	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 100	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 0	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS ILST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.7	51.0	56.3	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	41.7	51.0	56.3	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
18000	41.7	51.0	56.3	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
16000	41.7	51.0	56.3	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14000	41.7	51.0	56.3	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
12000	41.7	51.0	56.3	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
10000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
9000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
8000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
7000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
6000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
5000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
4500	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
4000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
3500	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
3000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2500	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
1800	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
1500	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
1200	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
1000	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
900	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
800	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
700	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
600	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
500	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
400	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
300	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
200	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
100	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
0	45.0	53.0	58.3	61.3	62.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3

TOTAL NUMBER OF OBSERVATIONS

700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14701STATION NAME
PATIENT RIVER, MARYLANDYEARS
77-78MONTH
DEC

17

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	50.6	57.1	52.8	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 20000	.7	56.3	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 18000	.7	56.3	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 16000	.7	56.3	57.3	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	.7	56.3	57.6	58.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	.7	57.9	59.2	59.9	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 10000	.7	62.8	64.1	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 9000	.7	62.8	64.1	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	.7	68.3	69.9	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	.7	68.6	70.9	71.5	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	.7	68.9	71.2	71.8	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	.7	70.2	72.8	73.8	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	.7	70.9	73.8	74.8	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4000	.7	73.1	76.7	77.7	78.0	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3500	.7	74.1	77.0	79.0	79.3	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3000	.7	76.1	79.9	81.6	81.9	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 2500	.7	77.0	81.2	82.9	83.5	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	.7	77.7	82.2	83.8	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1800	.7	77.7	82.2	83.8	84.5	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	.7	78.6	83.5	85.8	86.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	.7	79.3	83.8	86.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	.7	79.6	84.5	87.1	88.0	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	.7	79.6	84.5	87.4	88.0	89.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	.7	79.6	84.5	87.7	88.3	89.3	90.3	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 700	.7	79.6	84.5	88.0	89.3	90.3	91.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 600	.7	79.6	84.5	88.4	89.3	90.3	91.6	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5
IV 500	.7	79.6	84.5	88.7	89.3	90.3	91.6	95.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8
IV 400	.7	79.6	84.5	88.7	89.3	90.3	91.6	95.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8
IV 300	.7	79.6	84.5	88.7	89.3	90.3	91.6	95.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8
IV 200	.7	79.6	84.5	88.7	89.3	90.3	91.6	95.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8
IV 100	.7	79.6	84.5	88.7	89.3	90.3	91.6	95.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8
IV 0	.7	79.6	84.5	88.7	89.3	90.3	91.6	95.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS

379

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
PATENT RIVER, MARYLAND

73-72

YEARS

SEP

MONTH

27

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	24.3	41.7	48.7	52.3	53.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	.7	24.3	44.7	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 18000	.7	25.0	44.7	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 16000	.7	25.0	44.7	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 14000	.7	25.0	44.7	51.3	55.7	56.7	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 12000	.7	25.0	44.7	52.0	56.7	57.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 10000	1.0	37.7	45.7	56.3	61.0	62.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	1.0	38.0	45.7	56.7	61.7	62.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 8000	1.0	43.3	54.0	62.0	67.0	68.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	1.0	43.0	54.7	62.7	68.0	69.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	1.0	43.7	55.7	63.7	69.0	70.0	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000	1.0	44.3	56.3	63.0	71.0	72.0	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	1.0	45.3	57.7	66.3	72.3	73.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 4000	1.0	47.7	59.3	65.0	74.3	75.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	1.0	47.3	60.3	69.3	75.7	77.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	1.0	47.7	62.3	71.7	76.7	80.0	83.3	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7
IV 2500	1.0	48.3	63.7	73.3	80.7	82.0	85.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	1.0	50.0	65.7	75.3	83.0	84.3	87.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	1.0	50.3	65.7	75.7	83.7	85.0	88.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	1.0	51.3	67.0	77.0	85.0	86.3	89.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	1.0	51.3	67.7	77.0	85.7	86.3	89.7	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	1.0	52.0	67.7	78.3	86.7	88.3	91.7	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	1.0	52.3	68.0	78.7	87.0	88.7	92.0	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
IV 800	1.0	53.0	68.7	79.7	88.0	89.7	93.0	94.3	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	1.0	53.0	68.7	80.3	89.0	91.3	94.7	96.0	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	1.0	53.3	69.7	81.0	89.7	92.0	95.3	96.7	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.0	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	1.0	53.7	69.7	81.7	90.7	93.0	96.7	98.0	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	1.0	53.7	69.3	81.7	90.7	93.0	96.7	98.7	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	1.0	53.7	69.3	81.7	90.7	93.0	96.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.0	53.7	69.3	81.7	90.3	93.0	96.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

700

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
PATRICK RIVER, MARYLAND

STATION NAME

73-92

YEARS

DEC

MONTH

72

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	53.2	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7
≥ 20000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 18000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 16000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 14000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 12000	55.7	56.0	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6
≥ 10000	59.6	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 9000	59.5	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 8000	55.1	66.3	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
≥ 7000	56.5	67.3	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	68.9
≥ 6000	56.5	67.6	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3	69.3
≥ 5000	68.3	69.9	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.8	71.8
≥ 4500	71.2	72.8	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1
≥ 4000	73.3	76.1	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 3500	74.4	76.7	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.0	79.0
≥ 3000	77.0	79.6	80.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
≥ 2500	77.7	80.6	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5
≥ 2000	79.3	83.5	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4
≥ 1800	79.6	83.8	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7
≥ 1600	74.9	84.1	85.8	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 1400	79.9	84.1	85.8	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 1200	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 1000	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 900	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 800	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 700	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 600	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 500	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 400	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 300	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 200	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 100	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 0	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1001 PATUXENT RIVER, MARYLAND

73-10

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	46.3	51.7	55.0	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	1.3	50.7	57.3	60.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 18000	1.3	50.7	57.3	60.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	1.3	50.7	57.3	60.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 14000	1.3	51.0	57.7	61.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	1.3	51.7	58.3	61.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	1.3	53.0	60.3	63.7	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 9000	1.3	53.3	60.7	64.3	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 8000	1.3	57.3	65.7	69.3	73.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	1.3	57.7	66.0	69.7	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	1.3	58.0	66.3	70.3	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	1.3	58.3	66.7	70.7	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500	1.3	58.3	66.7	72.7	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4000	1.3	51.7	70.3	74.3	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	1.3	52.3	71.3	75.3	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3000	1.3	55.0	74.3	79.0	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	1.3	55.3	74.7	79.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2000	1.3	56.3	76.0	81.3	86.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	1.3	56.3	76.0	81.3	86.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	1.3	58.0	77.7	83.7	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1200	1.3	58.7	78.7	85.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1000	1.3	58.7	79.3	86.0	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	1.3	59.7	79.7	87.0	93.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	1.3	59.7	79.7	87.3	94.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	1.3	59.7	80.0	87.7	95.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	1.3	59.0	80.0	87.7	95.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	1.3	59.0	80.0	87.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	1.3	59.0	80.0	87.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	1.3	59.0	80.0	87.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	1.3	59.0	80.0	87.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	1.3	59.0	80.0	87.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	1.3	59.0	80.0	87.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

73-02

YEARS

DEC

MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.2	49.3	50.1	50.8	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3
≥ 20000	1.1	54.3	55.4	56.2	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0
IV 18000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
IV 16000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
IV 14000	1.1	54.4	55.5	56.3	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.1	57.1
IV 12000	1.1	55.2	56.4	57.2	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	58.0
IV 10000	1.2	59.4	60.8	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.5
IV 9000	1.2	59.6	61.0	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.7	62.7
IV 8000	1.2	64.6	66.5	67.5	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.4	68.4
IV 7000	1.2	65.2	67.2	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2
IV 6000	1.2	65.7	67.8	68.9	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.9	69.9
IV 5000	1.2	67.3	69.7	70.9	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.9	71.9
IV 4500	1.2	69.7	72.4	73.7	74.3	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.9	74.9
IV 4000	1.2	71.3	74.8	76.3	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6
IV 3500	1.2	72.4	75.7	77.2	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6
IV 3000	1.2	74.2	77.8	79.6	80.5	80.7	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.4
IV 2500	1.2	75.5	79.3	81.2	82.3	82.4	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.2
IV 2000	1.2	76.5	80.8	83.1	84.3	84.5	84.7	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.3
IV 1800	1.2	76.7	80.9	83.2	84.4	84.6	84.8	85.0	85.1	85.1	85.2	85.2	85.3	85.3	85.4	85.4
IV 1500	1.2	77.3	81.8	84.5	85.9	86.2	86.5	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.2	87.2
IV 1200	1.2	77.6	82.2	85.1	86.6	87.0	87.3	87.6	87.7	87.8	87.9	87.9	87.9	87.9	88.0	88.1
IV 1000	1.2	78.2	83.7	86.1	88.0	88.5	89.1	89.5	89.6	89.8	89.8	89.8	89.9	89.9	90.0	90.0
IV 900	1.2	78.4	83.7	86.6	88.6	89.3	89.9	90.5	90.5	90.7	90.8	90.8	90.8	90.8	91.0	91.0
IV 800	1.2	78.4	83.6	87.2	89.2	90.1	90.7	91.3	91.3	91.5	91.6	91.6	91.7	91.7	91.8	91.8
IV 700	1.2	78.6	83.9	87.6	89.8	90.8	91.6	92.1	92.2	92.3	92.5	92.5	92.5	92.6	92.7	92.8
IV 600	1.2	78.9	84.3	88.2	90.6	91.6	92.5	93.1	93.2	93.4	93.5	93.5	93.5	93.7	93.8	93.9
IV 500	1.2	79.0	84.4	88.4	91.1	92.4	93.5	94.3	94.4	94.6	94.8	94.8	94.8	94.9	95.1	95.1
IV 400	1.2	79.0	84.5	88.5	91.6	92.9	94.4	95.4	95.5	95.7	95.9	95.9	96.1	96.2	96.4	96.4
IV 300	1.2	79.0	84.6	88.6	91.8	93.2	95.0	96.1	96.2	96.5	96.9	96.9	97.2	97.3	97.5	97.6
IV 200	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.1	97.6	97.6	98.2	98.3	98.7	99.1
IV 100	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	99.8
IV 0	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2477

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 1781

PATIENT RIVER, MARYLAND

73-4

YEARS

SEP

MONTH

13

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	43.5	47.2	52.5	56.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 18000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 16000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	1.7	48.8	55.2	59.2	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	1.7	50.2	57.2	61.2	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000	1.7	54.2	61.9	66.2	70.5	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 9000	1.7	54.2	62.5	66.9	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	1.7	58.5	67.2	71.6	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 7000	1.7	58.9	67.4	71.9	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	1.7	58.9	68.2	72.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	1.7	60.8	69.6	74.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	1.7	61.8	70.6	75.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 4000	1.7	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3500	1.7	63.2	72.2	76.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3000	1.7	65.9	76.3	81.6	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2500	1.7	66.7	78.3	84.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	1.7	67.2	79.6	85.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	1.7	68.2	79.9	86.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	1.7	69.6	82.3	88.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	1.7	69.9	82.6	89.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	1.7	69.9	82.6	89.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	1.7	69.9	82.9	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	1.7	69.9	83.3	91.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	1.7	69.9	83.3	91.3	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	1.7	69.9	83.3	91.3	97.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.7	69.9	83.3	91.3	97.0	98.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

299

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD

CEILING VERSUS VISIBILITY

STATION 10001 PAT. L. T. IVAN, MARYLAND

73-

YEARS

ALL

MOUTH

ALL

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	46.1	50.0	52.3	54.5	54.4	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 20000	•	51.7	56.3	59.7	61.8	62.1	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9
IVIV 18000	•	51.7	56.4	59.7	61.8	62.1	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
IVIV 16000	•	51.7	56.4	59.7	61.8	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	63.0
IVIV 14000	•	51.7	56.6	60.0	62.1	62.4	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2
IVIV 12000	•	52.6	57.4	60.8	62.9	63.3	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1
IVIV 10000	•	55.7	61.0	64.7	67.1	67.5	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IVIV 9000	•	55.7	61.3	65.0	67.4	67.8	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7
IVIV 8000	•	60.0	66.7	70.3	72.9	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
IVIV 7000	•	60.3	67.0	71.3	74.3	74.5	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
IVIV 6000	•	61.3	67.4	71.7	74.5	74.9	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9
IVIV 5000	•	62.1	68.5	73.0	75.8	76.3	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.3
IVIV 4500	•	63.4	69.9	74.5	77.4	77.9	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9
IVIV 4000	•	65.1	71.0	76.6	79.7	80.2	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
IVIV 3500	•	65.7	72.4	77.5	80.6	81.1	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.2
IVIV 3000	•	67.9	75.2	80.6	84.0	84.5	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.8
IVIV 2500	•	68.6	76.2	81.7	85.2	85.3	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.1
IVIV 2000	•	69.3	77.1	82.9	86.6	87.2	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
IVIV 1800	•	69.4	77.3	83.1	86.8	87.5	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.8	88.9
IVIV 1500	•	70.1	78.3	84.4	88.3	89.1	89.9	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.6
IVIV 1200	•	70.4	78.7	85.0	89.0	89.8	90.7	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.4
IVIV 1000	•	70.9	79.3	85.9	90.2	91.1	92.2	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.9	92.9
IVIV 900	•	70.9	79.5	86.3	90.7	91.6	92.7	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.5
IVIV 800	•	71.0	79.8	86.7	91.3	92.3	93.4	93.8	93.8	94.1	94.1	94.1	94.2	94.2	94.3	94.4
IVIV 700	•	71.1	80.1	87.1	91.9	92.9	94.2	94.6	94.6	94.8	94.9	94.9	95.0	95.0	95.1	95.2
IVIV 600	•	71.2	80.2	87.4	92.2	93.4	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.8	95.9
IVIV 500	•	71.3	80.3	87.6	92.7	94.2	95.6	96.1	96.2	96.5	96.6	96.6	96.7	96.8	96.9	97.0
IVIV 400	•	71.4	80.4	87.8	93.1	94.5	96.2	96.8	96.9	97.3	97.4	97.5	97.6	97.6	97.8	97.9
IVIV 300	•	71.4	80.5	87.9	93.2	94.7	96.5	97.2	97.3	97.8	98.0	98.0	98.3	98.3	98.5	98.6
IVIV 200	•	71.4	80.5	87.9	93.2	94.7	96.6	97.4	97.5	98.0	98.3	98.4	98.8	98.8	99.1	99.3
IVIV 100	•	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	99.8
IVIV 0	•	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

29198

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
12721STATION NAME
PATUXENT RIVER, MARYLANDYEARS
73-82MONTH
SEPPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	41.3	48.3	53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	1.7	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	1.3	48.3	56.7	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	1.3	48.3	57.0	62.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	1.7	52.3	61.0	66.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	1.7	52.3	61.3	67.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	1.7	54.7	64.3	71.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	1.7	55.0	65.0	71.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	1.7	55.0	65.3	72.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	1.7	56.3	67.0	73.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	1.7	58.3	69.0	75.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 4000	1.7	60.7	72.0	78.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	1.7	60.7	72.3	79.0	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	1.7	63.7	76.7	85.3	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	1.7	64.3	77.3	86.7	90.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	1.7	65.0	79.0	88.3	92.3	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	1.7	65.3	79.3	88.7	92.7	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	1.7	65.7	79.7	90.0	94.0	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1200	1.7	65.7	79.7	90.3	94.7	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	1.7	65.7	79.7	90.7	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
IV 900	1.7	66.0	80.3	91.3	96.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3
IV 800	1.7	66.3	80.7	91.7	96.7	97.0	97.3	97.3	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0
IV 700	1.7	66.3	80.7	91.7	97.0	97.3	97.7	97.7	98.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7
IV 600	1.7	66.7	81.0	92.0	97.3	97.7	98.0	98.0	98.3	98.7	98.7	99.0	99.3	99.3	99.7	99.7
IV 500	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.0	99.3	99.7	99.7	100.0	100.0
IV 400	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.0	99.7	99.7	100.0	100.0	100.0
IV 300	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.0	99.7	99.7	100.0	100.0	100.0
IV 200	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.0	99.7	99.7	100.0	100.0	100.0
IV 100	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.0	99.7	99.7	100.0	100.0	100.0
IV 0	1.7	66.7	81.0	92.0	97.3	97.7	98.3	98.3	98.7	99.0	99.0	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	22.5			16.5						10.4	44.7	5.9	309
	04	23.4			17.8						10.4	42.4	5.7	309
	07	18.4			21.9						18.4	41.3	6.4	310
	10	19.7			19.1						17.1	46.1	6.7	310
	13	20.3			17.7						17.7	44.2	6.5	310
	16	17.7			21.6						15.5	45.2	6.6	310
	19	20.5			20.3						13.2	40.0	5.8	310
	22	32.0			15.2						11.3	40.6	5.5	310
TOTALS		24.1			18.6						14.3	43.1	6.1	2478

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1001 PATUXENT RIVER, MARYLAND STATION NAME 73-92 YEARS SEP MONTH 19 HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	45.3	50.7	54.3	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	46.7	53.3	59.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	47.3	53.7	59.3	63.3	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	47.3	54.0	59.7	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	52.3	60.0	66.3	70.7	71.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	52.3	60.3	66.7	71.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	55.3	65.0	72.3	76.7	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	55.7	65.7	73.0	77.3	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	56.0	66.0	73.3	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	57.3	67.3	74.7	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4000	59.7	70.0	77.7	82.0	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	60.3	70.7	78.3	82.7	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	61.7	73.3	82.0	87.0	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	62.3	74.7	83.3	88.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	63.0	75.7	84.3	90.0	90.3	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IV 1500	64.3	78.3	87.3	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	64.7	79.7	88.0	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	33.0			17.4						12.1	37.6	5.4	262
	04	34.4			14.5						13.1	37.9	5.4	202
	07	19.1			22.7						14.9	38.3	6.0	292
	10	23.0			18.1						16.3	41.8	6.2	282
	13	22.0			17.8						22.7	38.3	6.4	282
	16	19.1			21.6						27.6	38.7	6.4	202
	19	23.2			24.5						14.9	35.5	5.6	202
	22	35.5			22.2						9.9	34.4	4.9	202
TOTALS		26.4			20.3						15.6	37.8	5.8	2256

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

STATION NAME

73-80

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	43.7	49.7	53.3	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 18000	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 16000	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 14000	49.7	57.3	62.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000	49.7	57.3	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	53.3	61.7	67.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	54.0	62.7	68.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	56.7	66.0	72.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	57.3	66.7	73.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	57.3	66.7	73.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	57.3	66.7	74.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	58.3	67.7	75.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	59.7	69.3	77.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	61.7	71.0	78.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	63.7	74.7	82.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2500	64.7	75.7	83.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	64.7	76.3	84.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	64.0	76.3	84.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	64.3	78.3	87.3	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1200	64.3	79.0	88.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	64.7	80.3	89.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	65.7	80.7	90.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	65.7	81.0	90.3	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	65.7	81.0	90.7	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	65.7	81.0	91.3	97.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	65.7	81.0	91.7	97.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	65.3	81.0	91.7	97.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

200
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	31	35.7			14.3						11.7	35.3	5.2	200
	34	33.7			21.3						14.3	30.7	5.2	200
	17	24.7			25.3						17.3	33.3	5.7	200
	11	22.3			22.7						18.7	35.3	5.8	200
	11	21.7			18.0						24.7	36.7	6.4	200
	11	22.3			18.3						22.7	37.7	6.3	200
	19	17.3			25.7						24.7	33.7	6.2	200
	22	31.7			22.3						16.7	37.7	5.2	200
TOTALS		26.7			21.0						18.9	34.1	5.7	2400

~~13721~~
STATION

PATIENT RIVER, MARYLAND
STATION NAME

73-R2

PERIOD

12 Y
MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	01	24.0			20.6						17.7	36.6	5.9	31
	04	21.6			23.9						16.5	38.1	6.0	310
	07	22.5			20.6						16.5	40.0	6.1	310
	10	15.0			21.6						22.0	38.7	6.7	310
	13	14.5			19.8						26.2	30.7	6.0	31
	16	14.5			19.4						26.5	39.7	6.0	310
	19	18.7			19.8						24.0	37.4	6.5	310
	22	23.8			21.0						19.7	35.6	6.0	310
TOTALS		19.6			20.6						21.4	38.4	6.4	2430

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATOKENT RIVER, MARYLAND

73-90

YEARS

SE P

MONTH

ALL

HOURLY (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	.7	41.3	49.0	53.7	56.5	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 20000	.3	46.1	54.4	59.5	62.8	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
18000	.9	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
16000	.9	46.1	54.4	59.5	62.8	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
14000	.9	46.1	54.5	59.5	62.9	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
12000	.7	46.5	55.0	60.2	63.4	63.9	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
10000	.9	50.0	59.4	64.9	68.7	69.3	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
9000	.9	50.3	59.8	65.5	69.3	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
8000	.9	53.7	64.0	70.2	74.2	74.8	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7
7000	.9	54.1	64.5	70.7	74.7	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
6000	.9	54.3	64.8	71.1	75.2	75.8	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
5000	.7	55.1	65.6	72.2	76.3	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
4500	.9	56.2	66.9	73.5	77.7	78.3	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
4000	.9	57.0	68.5	75.2	79.5	80.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
3500	.9	58.2	69.2	76.0	80.3	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
3000	.9	60.2	72.7	80.4	84.8	85.6	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2500	.9	60.9	73.7	81.6	86.2	87.0	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2
2000	.9	61.9	75.1	83.3	88.2	89.1	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
1800	.9	61.9	75.2	83.5	88.5	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.6
1500	.9	62.9	77.0	85.9	91.0	92.0	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.5
1200	.9	63.2	77.5	86.5	91.7	92.8	93.7	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.3
1000	.9	63.4	78.0	87.5	93.1	94.3	95.2	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8
900	.9	63.6	79.2	87.9	93.5	94.7	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.3
800	.9	63.7	79.5	88.3	94.2	95.4	96.4	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
700	.9	63.7	79.6	88.6	94.7	96.0	97.1	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.9
600	.9	63.8	79.7	88.9	95.1	96.5	97.7	98.0	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.6
500	.9	63.9	79.7	89.1	95.3	96.8	98.4	98.8	98.8	99.1	99.3	99.3	99.3	99.4	99.4	99.4
400	.9	63.9	79.7	89.1	95.5	97.0	98.7	99.1	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8
300	.9	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.8	99.8	99.8	99.9	99.9	100.0
200	.9	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
100	.9	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
0	.9	63.9	79.7	89.1	95.5	97.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2399

DIPNAVOCEANMET SMOS

72-42

PERIOD

1954

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	21.0			21.0						21.0	31.0	5.7	300
	04	18.0			18.0						22.7	30.3	5.9	300
	07	19.3			23.3						25.0	32.3	6.2	300
	10	17.7			21.3						24.3	28.7	6.5	300
	13	11.0			24.3						26.7	38.7	6.9	300
	16	14.7			23.7						28.7	33.0	6.6	300
	19	17.7			28.0						24.7	32.7	6.2	300
	22	21.3			24.7						20.7	33.3	6.4	300
TOTALS		12.1			24.3						24.2	33.4	6.2	2400

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATIENT RIVER, MARYLAND

72-90

YEARS

OCT

MONTH

01

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.3	56.5	60.7	63.9	64.5	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	.3	57.7	62.6	65.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 12000	.3	58.4	63.2	66.5	67.1	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 10000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	.3	60.7	65.5	68.7	69.4	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	.3	63.9	69.4	72.6	73.2	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	.3	64.5	70.0	73.2	73.9	74.2	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 6000	.3	65.2	70.7	73.9	74.5	74.8	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	.3	66.5	71.9	75.5	76.1	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	.3	70.3	76.1	79.7	80.3	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	.3	71.9	76.4	82.3	82.9	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	.3	72.6	79.4	83.2	83.9	84.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	.3	73.9	81.0	84.8	85.5	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	.3	74.8	82.3	86.8	87.4	87.7	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	.3	75.2	83.2	88.1	88.7	89.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	.3	75.2	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	.3	75.8	84.2	89.4	90.3	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	.3	76.1	84.5	89.7	91.0	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 900	.3	76.5	84.8	90.0	91.6	91.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	.3	76.5	85.2	90.3	91.9	92.3	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	.3	76.5	85.2	90.7	92.6	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	.3	76.5	85.5	91.3	93.6	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 500	.3	76.5	85.1	91.9	94.2	95.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	.3	77.1	86.8	92.6	95.2	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	.3	77.1	86.8	92.6	95.5	96.8	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

73-22

PERIOD

JUL
MONT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01	23.0			23.2						23.0	27.7	5.6	21
	04	11.7			11.3						11.6	27.4	5.5	21
	07	14.5			23.7						25.5	31.3	5.3	217
	10	1.5			20.4						26.5	20.7	5.2	21
	13	13.8			26.8						34.2	28.2	5.4	17
	16	15.1			26.1						25.0	27.7	5.3	217
	19	14.5			24.1						24.2	34.6	5.4	71
	22	12.4			22.2						22.2	28.7	5.2	11

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT RIVER, MARYLAND

STATION NAME

73-72

YEARS

OCT

MONTH

04

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	49.7	54.2	56.1	57.4	57.4	58.4	59.0	59.7	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.7
≥ 20000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 18000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 16000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 14000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 12000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 10000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 9000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 8000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 7000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 6000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 5000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 4500	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 4000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 3500	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 3000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 2500	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 2000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 1800	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 1500	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 1200	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 1000	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 900	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 800	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 700	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 600	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 500	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 400	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 300	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 200	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 100	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6
IV 0	1.6	56.5	56.4	57.0	60.0	61.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
PATUXENT RIVER MARYLAND (U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

THE LANCET

F/G 4/2

241

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
10701

STATION NAME
PATENT FORT, MARYLAND

77-1

YEARS

007

MONTH

07

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	44.2	43.1	42.6	54.2	54.2	55.5	55.8	55.9	56.1	56.5	56.5	56.5	56.5	56.5	57.4
≥ 20000	1.0	46.7	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 18000	1.0	46.3	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 16000	1.0	46.3	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 14000	1.0	46.3	51.6	56.8	59.7	59.7	61.0	61.6	61.6	62.3	62.6	62.6	62.6	62.9	63.2	63.9
IV 12000	1.0	47.4	52.3	57.4	60.3	60.3	61.6	62.3	62.3	62.9	63.2	63.2	63.6	63.6	63.9	64.5
IV 10000	1.0	49.4	54.5	59.7	62.6	62.6	63.9	64.5	64.5	65.2	65.5	65.5	65.5	65.8	66.1	66.5
IV 9000	1.0	50.0	55.2	60.3	63.2	63.2	64.5	65.2	65.2	65.8	66.1	66.1	66.5	66.5	66.8	67.4
IV 8000	1.0	55.2	60.3	66.1	69.0	69.0	70.7	71.3	71.3	71.9	72.3	72.3	72.6	72.6	72.9	73.5
IV 7000	1.0	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
IV 6000	1.0	55.5	61.0	66.8	69.7	69.7	71.3	71.9	71.9	72.6	72.9	72.9	73.2	73.2	73.6	74.2
IV 5000	1.0	57.1	62.6	68.7	71.9	71.9	73.6	74.2	74.2	74.8	75.2	75.2	75.5	75.5	75.8	76.5
IV 4500	1.0	58.1	64.2	70.3	73.6	73.6	75.2	75.8	75.8	76.5	76.8	76.8	77.1	77.1	77.4	78.1
IV 4000	1.0	58.2	66.1	72.3	75.8	75.8	77.4	78.1	78.1	78.7	79.0	79.0	79.4	79.4	79.7	80.3
IV 3500	1.0	61.0	67.4	74.2	77.7	77.7	79.4	80.0	80.0	80.7	81.0	81.0	81.3	81.3	81.6	82.3
IV 3000	1.0	63.2	70.0	77.1	81.0	81.0	82.9	83.6	83.6	84.2	84.5	84.5	84.8	84.8	85.2	85.8
IV 2500	1.0	64.5	71.3	79.0	83.2	83.2	85.5	86.1	86.1	86.8	87.1	87.1	87.4	87.4	87.7	88.4
IV 2000	1.0	65.2	71.9	79.7	84.2	84.2	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
IV 1800	1.0	65.2	71.9	79.7	84.2	84.2	86.5	87.1	87.1	87.7	88.1	88.1	88.4	88.4	88.7	89.4
IV 1500	1.0	66.1	72.9	81.0	85.5	85.5	87.7	88.4	88.4	89.0	89.4	89.4	89.7	89.7	90.0	90.7
IV 1200	1.0	66.1	73.6	82.3	86.8	86.8	89.0	89.7	89.7	90.3	90.7	90.7	91.0	91.0	91.3	91.9
IV 1000	1.0	66.5	74.2	83.2	87.7	87.7	90.0	90.7	90.7	91.3	91.6	91.6	91.9	91.9	92.3	92.9
IV 900	1.0	66.5	74.2	83.2	87.7	87.7	90.0	90.7	90.7	91.3	91.6	91.6	91.9	91.9	92.3	92.9
IV 800	1.0	66.5	74.5	84.2	89.0	89.0	91.6	92.6	92.6	93.2	93.6	93.6	93.9	93.9	94.2	94.8
IV 700	1.0	66.5	74.8	84.5	89.4	89.4	91.9	93.2	93.2	94.2	94.5	94.5	94.8	94.8	95.2	95.8
IV 600	1.0	66.5	74.8	84.8	89.7	89.7	92.6	93.9	93.9	94.8	95.2	95.2	95.5	95.5	95.8	96.5
IV 500	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 400	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 300	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 200	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 100	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4
IV 0	1.0	66.5	75.2	85.2	90.3	90.3	93.2	94.5	94.5	95.5	96.1	96.1	96.5	96.5	96.8	97.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

2

SKY COVER

13721 PATUXENT RIVER, MARYLAND

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	22.3			27.4						22.6	27.7	5.6	310
	04	20.6			33.5						21.0	24.8	5.4	310
	07	15.8			29.7						25.5	29.0	6.1	310
	10	16.1			27.1						32.3	24.5	6.2	310
	13	14.2			27.4						35.8	22.6	6.3	310
	16	14.8			30.6						28.1	26.5	6.1	310
	19	14.5			27.1						26.8	31.6	6.4	310
	22	19.7			29.4						19.4	31.6	5.8	310
TOTALS		17.3			29.0						26.4	27.3	6.0	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUMENT RIVER, MARYLAND

73-10

YEARS

OCT

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	3.7	56.5	57.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 20000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 12000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 10000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 9000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 8000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 7000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 6000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 4000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 2500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 2000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1800	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1200	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 1000	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 900	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 800	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 700	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 600	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 500	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 400	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 300	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 200	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 100	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 0	1.7	3.7	62.2	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3

TOTAL NUMBER OF OBSERVATIONS

379

DIRNAVOCEANMET SMOS

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	29.0			25.7						13.3	32.0	5.2	300
	04	30.3			26.3						16.3	27.0	5.0	300
	07	19.3			29.7						23.0	28.0	5.8	300
	10	20.7			25.7						24.0	29.7	5.9	300
	13	14.0			27.7						28.0	30.3	6.4	300
	16	16.7			28.0						25.7	29.7	6.1	300
	19	18.7			28.0						23.3	30.0	5.9	300
	22	25.0			23.7						19.7	31.7	5.6	300
TOTALS		21.7			26.9						21.7	29.8	5.7	2400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: DAVENPORT, MARYLAND YEAR: 73 MONTH: OCT
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS L.E.T.: 15

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	61.3	53.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
18000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
16000	1.3	57.4	59.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14000	1.3	58.1	60.3	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
12000	1.3	58.4	60.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
10000	1.6	60.3	62.3	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
9000	1.6	60.7	62.6	64.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
8000	1.9	65.3	69.7	70.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
7000	1.9	66.5	69.7	71.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
6000	1.9	66.8	71.0	71.6	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
5000	1.9	67.4	71.7	72.3	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
4500	1.9	69.1	72.3	73.9	74.2	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
4000	1.9	71.3	74.8	76.5	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3500	2.3	74.5	77.7	79.4	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
3000	2.3	80.0	84.2	85.8	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2500	2.3	80.7	84.2	86.5	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2000	2.3	81.9	86.1	88.1	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800	2.3	81.9	86.1	88.1	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1500	2.3	82.6	87.4	89.7	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1200	2.3	82.6	87.7	90.0	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1000	2.3	83.0	87.4	91.6	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
900	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
800	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
700	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
600	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
500	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
400	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
300	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
200	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
100	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0	2.3	83.7	87.7	92.6	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

73-82

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	40.0			20.3						11.6	28.1	4.5	310
	04	39.7			16.1						13.5	30.6	4.8	310
	07	20.3			29.7						19.7	30.3	5.7	310
	10	21.9			29.0						20.3	28.7	5.6	310
	13	19.4			22.6						27.7	30.3	6.2	310
	16	23.9			23.5						24.5	28.1	5.7	310
	19	28.4			24.2						18.4	29.0	5.3	310
	22	35.8			20.0						15.2	29.0	4.9	310
TOTALS		28.7			23.2						18.9	29.3	5.3	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT RIVER, MARYLAND

73-0

YEARS

OCT

MONTH

15

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.3	1.9	54.2	55.2	55.5	55.3	55.1	55.3	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 18000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 16000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 14000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 8000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 7000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 6000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 3500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 3000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1800	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1200	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1000	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 900	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 800	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 700	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 600	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 500	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 400	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 300	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 200	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 100	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 0	1.3	54.7	62.9	64.3	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

DEC
NORTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	33.5			15.2						13.2	38.1	5.5	310
	04	28.4			19.4						14.5	37.7	5.7	310
	07	15.5			28.4						22.6	33.5	6.2	310
	10	20.6			20.3						20.3	38.7	6.3	310
	13	14.8			24.5						20.6	40.0	6.6	310
	16	17.7			22.9						21.0	38.4	6.4	310
	19	23.6			23.6						15.5	37.2	5.8	309
	22	28.2			18.1						13.9	39.8	5.8	309
TOTALS		22.8			21.6						17.7	37.9	6.0	2478

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME IV-1, WYOMING

77-0

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS 11.5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	53.7	57.1	59.0	57.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 20000	54.7	62.6	65.2	65.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 16000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 14000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 12000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 8000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 2500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 2000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1800	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1200	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1000	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 900	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 800	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 700	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 600	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 500	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 400	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 300	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 200	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 100	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 0	54.7	62.6	65.2	66.1	6.1	66.1	6.1	66.1	6.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

SKY COVER

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
PERIODALL
MONTHSPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	24.1			18.6						14.3	43.1	6.1	2478
FEB		26.4			20.3						15.6	37.8	5.8	2256
MAR		22.9			17.0						14.9	45.2	6.4	2480
APR		26.2			21.0						18.8	34.1	5.7	2400
MAY		19.6			20.6						21.4	38.4	6.4	2480
JUN		18.1			24.3						24.2	33.4	6.2	2400
JUL		17.4			27.5						26.1	29.1	6.1	2480
AUG		17.3			29.0						26.4	27.3	6.0	2480
SEP		21.7			26.9						21.7	29.8	5.7	2400
OCT		28.7			23.2						18.9	29.3	5.3	2480
NOV		25.1			23.0						19.0	32.9	5.7	2400
DEC		22.8			21.6						17.7	37.9	6.0	2478
TOTALS		22.5			22.8						19.9	34.9	6.0	29212

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: PATENT RIVER, WARELAND STATION NAME: 73-12 YEARS: OCT NORTH: 22 HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1200	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 1000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 900	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 800	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 700	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 600	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 400	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 300	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 200	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 100	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7

TOTAL NUMBER OF OBSERVATIONS: 174

DIPNAVOCEANMET SMOS

NOC D, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: FULTON, IVORY, N.C. STATION: 71-12 MONTH: OCT NORTH: ALL HOURS (LST):

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	.7	52.0	55.6	57.6	58.4	58.4	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2
≥ 20000	.5	56.3	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.9	64.9
IV 18000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 16000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 14000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 12000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 10000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 9000	.5	56.2	60.3	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9
IV 8000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 7000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 6000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 5000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 4500	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 4000	1.0	59.5	63.8	66.4	67.4	67.6	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.6
IV 3500	1.1	71.7	77.6	81.3	82.3	82.6	83.1	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.7	83.8
IV 3000	1.1	74.3	80.6	84.5	85.1	85.3	85.8	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.4	86.5
IV 2500	1.1	75.2	81.5	85.8	87.3	87.7	88.2	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.8	88.9
IV 2000	1.1	76.1	82.7	87.3	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
IV 1800	1.1	76.1	82.7	87.3	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
IV 1500	1.1	76.1	82.7	87.3	88.8	89.2	89.9	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.6
IV 1200	1.1	77.0	84.3	89.1	91.3	91.4	92.5	92.8	92.8	92.9	92.9	93.0	93.0	93.1	93.2	93.3
IV 1000	1.1	77.2	84.9	89.8	92.2	92.7	93.5	93.9	93.9	94.0	94.0	94.1	94.1	94.2	94.3	94.4
IV 900	1.1	77.4	85.1	90.2	92.7	93.2	94.2	94.6	94.6	94.7	94.7	94.8	94.8	94.9	95.0	95.1
IV 800	1.1	77.5	85.4	90.7	93.3	93.8	94.8	95.2	95.2	95.3	95.3	95.4	95.4	95.5	95.6	95.7
IV 700	1.1	77.6	85.6	91.1	93.7	94.4	95.5	95.9	95.9	96.0	96.0	96.1	96.1	96.2	96.3	96.4
IV 600	1.1	77.6	85.7	91.4	94.1	94.8	96.7	96.4	96.4	96.5	96.5	96.6	96.6	96.7	96.8	96.9
IV 500	1.1	77.7	85.9	91.6	94.4	95.2	96.5	97.1	97.1	97.2	97.2	97.3	97.3	97.4	97.5	97.6
IV 400	1.1	77.7	86.1	91.9	94.8	95.6	97.1	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.1	98.2
IV 300	1.1	77.7	86.1	91.9	94.9	95.7	97.3	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 200	1.1	77.7	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 100	1.1	77.7	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 0	1.1	77.7	86.2	91.9	94.9	95.8	97.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.3	98.4

TOTAL NUMBER OF OBSERVATIONS

2470

DIRNAVOCEANMET SMOS

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17701
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
YEARSNOV
MONTH01
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	58.7	67.0	61.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.7	64.3
≥ 20000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
18000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
16000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
14000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
12000	1.0	62.7	63.7	65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.7	67.7
10000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.3	71.3
9000	1.0	64.3	66.0	67.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.3	71.3
8000	1.0	68.3	70.7	72.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.7	76.7
7000	1.0	70.3	72.7	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.7	78.7
6000	1.0	70.7	73.3	75.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.3	79.3
5000	1.0	71.0	73.7	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	79.7
4500	1.0	71.3	74.7	76.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.7	80.7
4000	1.0	72.7	75.3	77.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.0	82.0
3500	1.0	74.0	76.7	78.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.3	83.3
3000	1.0	75.7	78.3	80.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.3	85.3
2500	1.0	76.7	79.7	82.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	87.0
2000	1.0	77.0	80.0	82.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.7	87.7
1800	1.0	77.3	80.7	83.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3	88.3
1500	1.0	77.3	81.0	83.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	88.0	89.0
1200	1.0	78.3	82.3	85.0	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	90.3
1000	1.0	78.7	83.0	85.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	91.3
900	1.0	78.7	83.7	86.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.3
800	1.0	78.7	83.7	87.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.7	92.7
700	1.0	79.3	84.3	88.0	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.0	94.0
600	1.0	79.3	84.7	88.3	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	94.3
500	1.0	79.3	85.0	88.7	92.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7	95.7
400	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
300	1.0	79.3	85.3	89.7	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.7
200	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3	98.3
100	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	98.3
0	1.0	79.3	85.3	89.7	93.3	95.3	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

17701

DIPNAVOCEANMET SMOS

— — — — —

YEARS

MAXIMUM

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10771
STATIONPATIENT RIVER, MARYLAND
STATION NAME73-82
YEARSNOV
MONTH24
HOURS (L & T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	55.3	58.3	58.7	59.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.7	62.3
≥ 20000	1.0	59.3	62.7	63.0	64.0	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.3	66.7
≥ 18000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 16000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 14000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 12000	1.0	59.3	63.0	63.3	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.7	65.7	67.0
≥ 10000	1.0	61.3	65.3	65.7	67.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3	69.7
≥ 9000	1.0	61.7	65.7	66.0	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.7	68.7	70.0
≥ 8000	1.0	65.3	70.7	71.3	72.7	73.0	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.0	75.3
≥ 7000	1.0	65.7	71.3	72.0	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	76.0
≥ 6000	1.0	66.0	71.7	72.3	73.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	75.0	75.0	75.0	76.3
≥ 5000	1.0	67.0	72.7	73.3	74.7	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	77.3
≥ 4500	1.0	67.3	73.0	73.7	75.0	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.3	77.7
≥ 4000	1.0	69.7	75.3	76.7	78.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.7	79.7	79.7	81.0
≥ 3500	1.0	70.3	76.0	77.3	79.0	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.3	80.3	81.7
≥ 3000	1.0	72.0	77.7	79.0	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3	82.3	83.7
≥ 2500	1.0	73.3	79.3	80.7	82.3	82.7	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.0	85.3
≥ 2000	1.0	74.0	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	87.0
≥ 1800	1.0	74.0	80.7	82.3	84.0	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7	85.7	85.7	87.0
≥ 1500	1.0	74.0	80.7	82.3	84.3	84.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	87.3
≥ 1200	1.0	74.3	81.0	82.7	85.0	85.3	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	88.3
≥ 1000	1.0	75.7	83.3	85.0	87.3	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3	90.7
≥ 900	1.0	75.7	83.3	85.0	87.3	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7	89.7	91.0
≥ 800	1.0	75.7	83.7	85.3	88.0	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3	90.3	91.7
≥ 700	1.0	75.7	84.0	86.0	88.7	89.3	91.0	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	92.7
≥ 600	1.0	75.7	84.3	86.3	89.0	90.0	91.7	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.3	93.7
≥ 500	1.0	75.7	84.7	87.0	90.3	91.3	93.0	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	95.3
≥ 400	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7
≥ 300	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7
≥ 200	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7
≥ 100	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7
≥ 0	1.0	76.0	85.3	88.0	91.7	93.0	94.7	95.7	95.7	95.7	95.7	96.0	96.3	96.3	96.3	97.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

108555

DAILY TEMPERATURES

YEARS

PATUXENT RIVER, MARYLAND
STATION NAME

45-82

YEARS

MINIMUM

MINIMUM

[illegible]

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATUXENT RIVER, MARYLANDYEARS
73-82MONTH
NOVDAY
27

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	2.3	47.7	51.0	52.3	53.7	54.0	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.3
≥ 20000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 18000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 16000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 14000	3.3	51.7	56.3	57.7	59.0	59.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.7	62.0
IV 12000	3.3	52.3	57.0	58.3	59.7	60.3	61.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.3	62.7
IV 10000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
IV 9000	3.3	54.7	59.7	61.7	63.0	63.7	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.7	66.0
IV 8000	3.3	59.0	64.3	67.0	68.3	69.3	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.3
IV 7000	3.3	60.0	65.3	68.3	69.7	70.7	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.3	73.7
IV 6000	3.3	60.0	66.0	69.0	70.3	71.3	72.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.3
IV 5000	3.3	61.0	66.7	69.7	71.0	72.0	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.7	75.0
IV 4500	3.3	62.7	68.3	71.7	73.0	74.0	75.3	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.7	77.0
IV 4000	3.3	64.0	70.3	74.7	76.0	77.0	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.7	80.0
IV 3500	3.3	64.7	71.0	75.3	76.7	77.7	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.3	80.7
IV 3000	3.3	65.0	71.3	75.7	77.0	78.0	79.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 2500	3.3	66.0	72.7	77.3	79.3	80.3	81.7	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.3	83.7
IV 2000	3.3	66.3	73.7	78.3	81.3	82.7	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.7	86.0
IV 1800	3.3	66.7	74.0	78.7	81.7	83.0	84.3	85.0	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.3
IV 1500	3.3	67.0	74.3	79.7	83.0	84.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	87.0	87.7	88.0
IV 1200	3.3	67.3	74.7	80.0	83.3	84.7	86.0	86.7	87.0	87.0	87.0	87.0	87.0	87.3	88.0	88.3
IV 1000	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.3	89.0	89.3
IV 900	3.3	67.7	75.3	80.7	84.0	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.3	88.3	89.0	89.3
IV 800	3.3	68.0	75.7	81.3	85.0	87.0	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.7	90.3	90.7
IV 700	3.3	68.0	76.0	81.7	85.7	88.0	89.3	90.3	90.7	90.7	90.7	90.7	90.7	91.0	91.7	92.0
IV 600	3.3	68.0	76.0	82.0	86.3	89.0	90.3	91.3	91.7	91.7	91.7	91.7	91.7	92.0	92.7	93.0
IV 500	3.3	68.0	76.0	82.0	87.0	89.7	91.3	92.7	93.0	93.0	93.0	93.0	93.0	93.3	94.0	94.3
IV 400	3.3	68.0	76.3	82.3	87.3	90.0	91.7	93.3	93.7	93.7	94.0	94.0	94.0	94.3	95.0	95.3
IV 300	3.3	68.0	76.3	82.3	87.3	90.3	92.3	94.3	94.7	95.3	95.7	95.7	96.0	96.3	97.0	97.3
IV 200	3.3	68.0	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.0
IV 100	3.3	68.0	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	99.7
IV 0	3.3	68.0	76.3	82.3	87.7	90.7	92.7	94.7	95.0	95.7	96.3	96.3	96.7	97.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17701STATION NAME
PATIENT RIVER, MARYLAND

73-82

YEARS

NOV

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	52.7	55.9	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	4.7	55.5	58.9	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2
IV 18000	4.7	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 16000	4.7	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 14000	4.7	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 12000	4.7	55.5	59.5	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.9
IV 10000	4.7	58.9	62.9	64.9	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2
IV 9000	4.7	59.2	63.2	65.2	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.6
IV 8000	4.7	64.9	68.9	70.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.6
IV 7000	4.7	66.2	72.6	73.2	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9
IV 6000	4.7	66.6	73.9	73.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.6
IV 5000	4.7	66.2	72.9	75.9	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6
IV 4500	4.7	65.9	74.6	78.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
IV 4000	4.7	70.9	75.6	79.6	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.3
IV 3500	4.7	71.9	76.6	80.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.3
IV 3000	4.7	72.9	77.9	82.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3
IV 2500	4.7	73.9	79.9	83.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3
IV 2000	4.7	75.3	80.3	85.0	86.0	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
IV 1800	4.7	75.6	81.6	85.3	86.3	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	88.0
IV 1500	4.7	76.3	81.3	85.3	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.6
IV 1200	4.7	76.3	81.3	86.3	87.3	87.3	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.9
IV 1000	4.7	76.3	81.3	86.6	88.6	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3
IV 900	4.7	76.3	81.3	87.0	89.3	89.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.0
IV 800	4.7	76.3	81.3	87.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6
IV 700	4.7	76.3	81.3	87.0	89.6	90.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6
IV 600	4.7	76.3	81.3	87.0	89.6	91.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 500	4.7	76.3	81.3	87.0	89.6	91.0	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7
IV 400	4.7	76.6	81.6	87.6	90.3	92.3	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3
IV 300	4.7	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3
IV 200	4.7	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3
IV 100	4.7	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3
IV 0	4.7	76.6	81.6	87.6	90.3	92.6	94.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1946-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	38.1	3.4	45.0	7.2	67	19.4	1966	31.1	-0.5	16	-8.9	1977
2	36.9	2.7	43.8	6.6	62	16.7	1979*	30.1	-1.1	14	-10.0	1968
3	38.0	3.3	45.4	7.4	66	18.9	1951	30.6	-0.8	12	-11.1	1979
4	37.5	3.1	44.7	7.1	72	22.2	1950	30.3	-0.9	12	-11.1	1981
5	36.1	2.3	43.2	6.2	74	23.3	1950	28.9	-1.7	10	-12.2	1969
6	37.6	3.1	44.8	7.1	71	21.7	1950	30.4	-0.9	11	-11.7	1959
7	37.8	3.2	44.9	7.2	66	18.9	1950*	30.7	-0.7	15	-9.4	1977*
8	34.9	1.6	41.4	5.2	64	17.8	1965	28.5	-1.9	5	-15.0	1970
9	35.4	1.9	42.6	5.9	67	19.4	1969	28.1	-2.2	5	-15.0	1970
10	35.1	1.7	42.2	5.7	70	21.1	1950	28.0	-2.2	4	-15.6	1970
11	34.6	1.4	41.2	5.1	68	20.0	1975	28.1	-2.2	6	-14.4	1982
12	33.5	.8	40.5	4.7	60	15.6	1963	26.4	-3.1	9	-12.8	1968
13	34.6	1.4	41.5	5.3	66	18.9	1972	27.7	-2.4	7	-13.9	1981
14	36.3	2.4	43.5	6.4	70	21.1	1950	29.1	-1.6	14	-10.0	1964
15	36.2	2.3	43.4	6.3	74	23.3	1952	29.1	-1.6	10	-12.2	1982
16	34.6	1.4	42.3	5.7	72	22.2	1953	26.8	-2.9	2	-16.7	1977
17	34.0	1.1	40.5	4.7	64	17.8	1949	27.5	-2.5	11	-11.7	1972
18	34.6	1.4	42.2	5.7	64	17.8	1951*	27.0	-2.8	7	-13.9	1982
19	35.6	2.0	42.9	6.1	69	20.6	1951	28.2	-2.1	6	-14.4	1977
20	36.4	2.4	43.5	6.4	71	21.7	1951	29.2	-1.6	10	-12.2	1967
21	37.0	2.8	45.1	7.3	69	20.6	1959	28.9	-1.7	6	-14.4	1970
22	37.0	2.8	44.7	7.1	65	18.3	1959	29.2	-1.6	10	-12.2	1970
23	37.3	2.9	45.4	7.4	75	23.9	1974	29.2	-1.6	15	-9.4	1977
24	36.6	2.6	44.2	6.8	72	22.2	1950	29.1	-1.6	9	-12.8	1963
25	38.6	3.7	46.4	8.0	77	25.0	1950	30.8	-0.7	12	-11.1	1961
26	39.7	4.3	48.0	8.9	78	25.6	1950	31.5	-0.3	13	-10.6	1982
27	38.1	3.4	46.3	7.9	75	23.9	1974	29.9	-1.2	12	-11.1	1982*
28	36.0	2.2	43.9	6.6	72	22.2	1949	28.2	-2.1	12	-11.1	1977*
29	35.8	2.1	43.9	6.6	74	23.3	1975	27.7	-2.4	4	-15.6	1977
30	36.1	2.3	43.7	6.5	72	22.2	1947	28.4	-2.0	10	-12.2	1977
31	34.1	1.2	41.2	5.1	70	21.1	1947	26.9	-2.8	10	-12.2	1948
Monthly	36.3	2.4	43.6	6.4	78	25.6	1950	28.9	-1.7	2	-16.7	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATUXENT RIVER, MARYLAND

73-72

YEARS

NOV

13

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	48.0	51.7	51.3	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	4.3	56.0	59.7	60.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	4.3	56.0	59.3	60.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	4.3	56.0	59.3	60.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	4.3	56.0	60.0	60.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	4.3	57.0	60.3	61.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	4.3	60.0	64.0	65.3	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	4.3	61.0	64.3	65.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	4.3	65.7	69.0	70.7	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	4.3	66.3	70.0	71.7	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 6000	4.3	67.0	70.7	72.3	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 5000	4.3	67.0	71.7	73.3	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	4.3	69.3	73.0	75.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	4.3	73.0	77.0	79.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3500	4.3	73.7	78.3	80.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	4.3	77.0	82.0	84.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	4.3	77.7	83.0	85.7	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	4.3	78.0	83.3	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	4.3	78.0	83.7	86.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	4.3	78.7	84.7	87.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	4.3	78.7	84.7	88.0	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	4.3	78.7	84.7	88.3	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	4.3	78.7	85.0	89.0	92.3	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	4.3	78.7	85.3	89.3	92.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	4.3	78.7	85.3	89.3	92.7	92.7	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	4.3	78.7	85.3	89.7	93.0	93.0	93.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500	4.3	78.7	85.7	90.0	94.3	94.3	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	4.3	78.7	85.7	90.0	94.7	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	4.3	78.7	85.7	90.0	94.7	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	4.3	78.7	85.7	90.0	94.7	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	4.3	78.7	85.7	90.0	94.7	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	4.3	78.7	85.7	90.0	94.7	94.7	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION PATUXENT RIVER, MARYLAND
STATION NAME

1946-1982
YEARS

FEBRUARY
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C		
1	35.5	1.9	43.0	6.1	62	16.7	1982	28.0	-2.2	9	-12.8	1965	
2	35.4	1.9	42.1	5.6	70	21.1	1967	28.6	-1.9	9	-12.8	1971	
3	33.4	.8	40.6	4.8	58	14.4	1982	26.2	-3.2	12	-11.1	1965	
4	34.3	1.3	42.2	5.7	62	16.7	1976	26.4	-3.1	12	-11.1	1981*	
5	34.4	1.3	41.7	5.4	62	16.7	1964	27.2	-2.7	8	-13.3	1947	
6	36.9	2.7	44.9	7.2	60	15.6	1960	29.0	-1.7	11	-11.7	1977	
7	36.3	2.4	43.4	6.3	58	14.4	1965*	29.1	-1.6	11	-11.7	1977	
8	34.6	1.4	41.9	5.5	66	18.9	1965	27.3	-2.6	11	-11.7	1977	
9	35.1	1.7	42.4	5.8	66	18.9	1949	27.8	-2.3	14	-10.0	1977*	
10	36.2	2.3	44.3	6.8	70	21.1	1959	28.1	-2.2	9	-12.8	1979	
11	36.7	2.6	45.2	7.3	66	18.9	1977*	28.2	-2.1	7	-13.9	1979	
12	34.9	1.6	42.4	5.8	65	18.3	1965	27.4	-2.6	9	-12.8	1979	
13	37.1	2.8	44.9	7.2	71	21.7	1949	29.4	-1.4	11	-11.7	1979	
14	38.2	3.4	47.7	8.7	68	20.0	1946	28.7	-1.8	10	-12.2	1979	
15	39.2	4.0	46.9	8.3	76	24.4	1954	31.5	-.3	18	-7.8	1969*	
16	38.7	3.7	46.6	8.1	76	24.4	1976*	30.8	-.7	13	-10.6	1963	
17	37.8	3.2	44.9	7.2	80	26.7	1976	30.8	-.7	7	-13.9	1958	
18	38.1	3.4	46.2	7.9	77	25.0	1976	30.0	-1.1	6	-14.4	1979	
19	39.6	4.2	47.6	8.7	72	22.2	1961	31.5	-.3	14	-10.0	1979	
20	37.9	3.3	45.6	7.6	68	20.0	1971	30.2	-1.0	6	-14.4	1979	
21	37.9	3.3	45.8	7.7	67	19.4	1953	30.0	-1.1	10	-12.2	1968	
22	39.5	4.2	47.7	8.7	70	21.1	1974	31.3	-.4	10	-12.2	1963	
23	39.4	4.1	47.4	8.6	73	22.8	1977	31.4	-.3	15	-9.4	1963	
24	40.2	4.6	48.5	9.2	65	18.3	1975	31.9	-.1	18	-7.8	1947	
25	41.3	5.2	49.5	9.7	74	23.3	1977	33.1	.6	12	-11.1	1967	
26	40.8	4.9	48.6	9.2	72	22.2	1946	33.0	.6	10	-12.2	1970	
27	40.9	4.9	49.3	9.6	74	23.3	1977*	32.5	.3	14	-10.0	1963	
28	42.4	5.8	51.6	10.9	78	25.6	1948	33.1	.6	21	-6.1	1950	
29	41.1	5.1	49.6	9.8	77	25.0	1976*	32.7	.4	19	-7.2	1980	
30													
31													
Monthly	37.6	3.1	45.5	7.5	80	26.7	1976	29.8	-1.2	6	-14.4	1979	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17731
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-52
YEARSNCV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	3.7	47.0	48.7	49.3	49.3	49.7	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 18000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 16000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	4.0	57.0	59.0	59.7	59.7	60.0	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	4.0	62.0	64.3	65.0	66.0	66.3	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	4.0	62.0	65.0	65.7	66.7	67.0	67.3	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 8000	4.0	69.3	73.0	73.7	75.0	75.3	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	4.0	70.7	74.3	74.7	76.3	76.7	77.0	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	4.0	70.7	74.3	75.0	76.7	77.0	77.3	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	4.0	72.0	76.0	76.7	78.3	78.7	79.0	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	4.0	73.3	77.7	78.7	80.3	80.7	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4000	4.0	76.3	81.7	83.0	84.7	85.3	85.7	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	4.0	77.3	82.7	84.3	86.0	86.7	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 3000	4.0	78.3	84.0	86.3	88.3	89.0	89.3	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	4.0	78.3	84.0	86.7	89.0	89.7	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2000	4.0	78.3	84.3	87.0	89.3	90.3	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	4.0	79.0	85.0	87.7	90.3	91.3	91.7	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	4.0	79.7	85.7	88.3	91.0	92.0	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	4.0	79.7	86.7	88.7	91.3	92.3	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000	4.0	80.0	86.3	89.0	91.7	93.0	94.0	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	4.0	80.0	86.3	89.3	92.0	93.3	94.3	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	4.0	80.0	86.3	89.7	92.3	93.7	94.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	4.0	80.0	86.3	90.0	92.7	94.0	95.0	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	4.0	80.0	86.3	90.0	92.7	94.0	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	4.0	80.3	86.7	90.3	93.3	94.7	96.3	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	4.0	80.3	87.0	90.7	93.7	95.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	4.0	80.3	87.0	90.7	93.7	95.0	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	40.4	4.7	48.1	8.9	78	25.6	1976*		32.8	.4	13	-10.6	1980	
2	40.9	4.9	49.0	9.4	80	26.7	1972		32.8	.4	15	-9.4	1980	
3	41.1	5.1	48.5	9.2	73	22.8	1967		33.6	.9	17	-8.3	1980*	
4	41.9	5.5	49.7	9.8	80	26.7	1974		34.2	1.2	20	-6.7	1980*	
5	44.2	6.8	52.5	11.4	81	27.2	1976		36.0	2.2	17	-8.3	1978	
6	44.2	6.8	52.7	11.5	82	27.8	1961		35.8	2.1	20	-6.7	1960*	
7	42.7	5.9	50.7	10.4	74	23.3	1946		34.7	1.5	20	-6.7	1960	
8	42.1	5.6	50.5	10.3	77	21.1	1980*		33.7	.9	19	-7.2	1960	
9	41.8	5.4	50.4	10.2	80	26.7	1964		33.3	.7	19	-7.2	1960	
10	44.1	6.7	52.2	11.2	78	25.6	1964		35.9	2.2	24	-4.4	1960	
11	43.6	6.4	51.9	11.1	79	26.1	1967		35.3	1.8	16	-8.9	1960	
12	44.5	6.9	52.8	11.6	76	24.4	1973		36.1	2.3	21	-6.1	1969*	
13	45.1	7.3	53.6	12.0	73	22.8	1982*		36.5	2.5	21	-6.1	1960	
14	45.5	7.5	54.0	12.2	77	25.0	1967		37.0	2.8	21	-6.1	1968	
15	45.6	7.6	54.6	12.6	77	25.0	1973		36.7	2.6	23	-5.0	1970	
16	45.0	7.2	53.3	11.8	85	29.4	1945		36.7	2.6	24	-4.4	1979*	
17	44.3	6.8	52.6	11.4	80	26.7	1945		36.1	2.3	24	-4.4	1981*	
18	43.1	6.2	50.1	10.1	68	20.0	1966		36.2	2.3	20	-6.7	1967	
19	44.7	7.1	52.4	11.3	83	28.3	1945		37.1	2.8	15	-9.4	1967	
20	45.8	7.7	53.4	11.9	83	28.3	1945		38.2	3.4	25	-3.9	1981*	
21	47.4	8.6	56.1	13.4	85	29.4	1948		38.8	3.8	19	-7.2	1965	
22	47.2	8.4	55.7	13.2	84	28.9	1948		38.7	3.7	28	-2.2	1981*	
23	47.3	8.5	56.4	13.6	70	21.1	1965*		38.1	3.4	28	-2.2	1960	
24	48.1	8.9	57.2	14.0	69	20.0	1955		39.0	3.9	28	-2.2	1971	
25	46.8	8.2	54.6	12.6	72	22.2	1963		38.9	3.8	26	-3.3	1956	
26	47.5	8.6	56.2	13.4	78	25.6	1964		38.8	3.8	27	-2.8	1974	
27	48.1	8.9	56.4	13.6	82	27.8	1949		39.8	4.3	24	-4.4	1955	
28	48.8	9.3	57.1	13.9	80	26.7	1945		40.4	4.7	25	-3.9	1982	
29	51.2	10.7	60.9	16.1	84	28.9	1945		41.5	5.3	27	-2.8	1982*	
30	51.0	10.6	58.8	14.9	83	28.3	1977		43.2	6.2	32	.0	1970*	
31	49.6	9.8	57.6	14.2	84	28.9	1979		41.6	5.3	26	-3.3	1964	
Monthly	45.3	7.4	53.6	12.0	85	29.4	1948*		37.0	2.8	13	-10.6	1980	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
17721STATION NAME
PATUMENT RIVER, MARYLAND

73-12

YEAR

NOV

MONTH

19

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 3/16	≥ 0
NO CEILING	51.7	51.3	54.7	55.7	55.7	56.3	55.3	55.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	56.7	61.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	55.7	61.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 16000	55.7	61.3	62.0	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	59.3	61.0	62.7	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	59.3	61.0	62.7	63.3	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 10000	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 9000	63.3	65.7	68.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	69.3	71.7	74.7	76.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	70.0	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 6000	70.0	72.7	75.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	70.0	73.3	76.3	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	72.7	75.3	78.3	80.3	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	75.7	76.7	82.0	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3500	75.7	79.7	82.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	78.0	81.7	85.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	78.0	81.7	85.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	78.0	82.0	87.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1500	78.0	82.7	88.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	78.3	83.7	89.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1000	79.7	84.3	90.0	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	79.7	84.3	90.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	79.7	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	79.0	84.3	90.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 600	79.0	84.3	90.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	79.0	84.3	90.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	79.0	84.3	90.7	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 300	79.0	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 200	79.7	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 100	79.0	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 0	75.0	84.3	90.7	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

300

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	51.0	10.6	60.1	15.6	86	30.0	1978	41.9	5.5	28	-2.2	1969
2	54.5	12.5	64.4	18.0	84	28.9	1969	44.5	6.9	32	.0	1964
3	53.6	12.0	63.2	17.3	90	32.2	1967	44.1	6.7	31	-.6	1961
4	52.2	11.2	60.7	15.9	84	28.9	1956	43.7	6.5	29	-1.7	1954
5	52.1	11.2	61.3	16.3	78	25.6	1969	42.8	6.0	31	-.6	1975
6	51.4	10.8	59.5	15.3	84	28.9	1947	43.2	6.2	29	-1.7	1982
7	50.7	10.4	59.6	15.3	78	25.6	1947	41.8	5.4	27	-2.8	1982
8	52.2	11.2	60.9	16.1	86	30.0	1954	43.4	6.3	30	-1.1	1982*
9	51.5	10.8	60.2	15.7	87	30.6	1959	42.8	6.0	31	-.6	1982*
10	51.7	10.9	60.1	15.6	81	27.2	1969*	43.3	6.3	34	1.1	1977
11	53.0	11.7	62.1	16.7	83	28.3	1978	43.9	6.6	33	.6	1960
12	53.9	12.2	62.6	17.0	85	29.4	1965	45.3	7.4	32	.0	1982
13	52.9	11.6	61.2	16.2	83	28.3	1977	44.6	7.0	31	-.6	1950
14	54.9	12.7	63.5	17.5	87	30.6	1960	46.3	7.9	26	-3.3	1950
15	55.3	12.9	64.0	17.8	88	31.1	1967	46.6	8.1	32	.0	1950
16	54.8	12.7	63.8	17.7	84	28.9	1976	45.8	7.7	35	1.7	1950
17	56.0	13.3	64.9	18.3	87	30.6	1976	47.2	8.4	31	-.6	1980
18	58.0	14.4	68.0	20.0	90	32.2	1964	48.0	8.9	34	1.1	1951
19	58.8	14.9	68.1	20.1	86	30.0	1972	49.6	9.8	36	2.2	1956
20	57.4	14.1	66.2	19.0	84	28.9	1952	48.6	9.2	32	.0	1953
21	57.3	14.1	66.7	19.3	84	28.9	1957	48.0	8.9	34	1.1	1956
22	58.9	14.9	67.6	19.8	89	31.7	1973	50.1	10.1	36	2.2	1953
23	60.2	15.7	69.1	20.6	87	30.6	1952	51.4	10.8	40	4.4	1978*
24	59.4	15.2	68.3	20.2	84	28.9	1960*	50.6	10.3	37	2.8	1956
25	59.0	15.0	67.2	19.6	91	32.8	1960	50.8	10.4	37	2.8	1956
26	58.6	14.8	66.7	19.3	84	28.9	1951	50.5	10.3	41	5.0	1978
27	57.3	14.1	64.7	18.2	91	32.8	1969	50.0	10.0	40	4.4	1978
28	56.9	13.8	64.6	18.1	85	29.4	1956	49.2	9.6	38	3.3	1946
29	57.9	14.4	65.8	18.8	91	32.8	1974	50.0	10.0	38	3.3	1982
30	58.9	14.9	67.2	19.6	85	29.4	1974	50.7	10.4	42	5.6	1961
31												
Monthly	55.4	13.0	64.1	17.8	91	32.8	1974*	46.6	8.1	26	-3.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14701STATION NAME
PATIENT RIVER, MARYLAND

73-0

YEARS

NCV

MONTH

72

HOURS 11.5 T

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.7	54.3	56.7	57.0	57.3	58.0	59.0	58.7	59.7	59.7	59.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	58.7	60.3	61.3	61.7	62.3	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 10000	62.0	64.0	65.3	66.3	67.0	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	62.0	64.0	65.3	66.3	67.0	67.0	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	67.3	69.3	71.0	72.3	73.0	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	70.0	72.3	74.0	75.3	76.0	76.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	70.3	72.7	74.3	75.7	76.3	76.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.7
≥ 5000	71.3	73.7	75.3	76.7	77.3	77.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.7
≥ 4500	73.0	75.3	77.0	78.3	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.3
≥ 4000	74.7	77.3	79.3	80.7	81.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 3500	76.0	79.3	81.3	82.7	83.3	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7
≥ 3000	76.0	81.7	83.7	85.0	85.7	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
≥ 2500	78.3	82.0	84.0	85.7	86.3	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7
≥ 2000	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1800	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1600	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1400	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1200	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 1000	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 900	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 800	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 700	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 600	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 500	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 400	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 300	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 200	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 100	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 0	79.0	83.0	85.0	86.7	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	59.9	15.5	67.6	19.8	84	28.9	1953		52.2	11.2	44	6.7	1978*	
2	60.4	15.8	68.3	20.2	87	30.6	1973		52.6	11.4	40	4.4	1978	
3	60.8	16.0	69.4	20.8	86	30.0	1973*		52.1	11.2	42	5.6	1966	
4	60.1	15.6	68.6	20.3	86	30.0	1965		51.7	10.9	42	5.6	1957	
5	60.4	15.8	69.3	20.7	87	30.6	1980*		51.4	10.8	44	6.7	1966*	
6	62.0	16.7	71.0	21.7	89	31.7	1966		52.9	11.6	44	6.7	1968	
7	61.6	16.4	69.8	21.0	87	30.6	1949		53.3	11.8	41	5.0	1970	
8	61.6	16.4	70.1	21.2	91	32.8	1963		53.1	11.7	40	4.4	1947	
9	61.9	16.6	71.3	21.8	94	34.4	1964*		52.4	11.3	39	3.9	1977*	
10	63.6	17.6	72.5	22.5	93	33.9	1963		54.7	12.6	36	2.2	1966	
11	64.1	17.8	72.5	22.5	85	29.4	1965		55.7	13.2	40	4.4	1966	
12	64.3	17.9	72.8	22.7	90	32.2	1959		55.7	13.2	44	6.7	1969	
13	64.5	18.1	72.9	22.7	91	32.8	1956		56.2	13.4	45	7.2	1981	
14	63.5	17.5	71.8	22.1	93	33.9	1956		55.2	12.9	47	8.3	1960	
15	64.4	18.0	72.5	22.5	89	31.7	1957		56.3	13.5	47	8.3	1959	
16	64.0	17.8	72.2	22.3	86	30.0	1945		58.8	13.2	45	7.2	1959	
17	65.4	18.6	74.2	23.4	90	32.2	1974		56.7	13.7	43	6.1	1967	
18	65.8	18.8	74.2	23.4	89	31.7	1947		57.4	14.1	43	6.1	1973	
19	66.5	19.2	74.8	23.8	90	32.2	1964*		58.1	14.5	44	6.7	1976	
20	66.4	19.1	73.9	23.3	88	31.1	1947		58.8	14.9	48	8.9	1950	
21	66.4	19.1	73.9	23.3	85	29.4	1962		58.8	14.9	45	7.2	1950	
22	67.0	19.4	75.6	24.2	88	31.1	1959		58.5	14.7	48	8.9	1967	
23	68.2	20.1	76.7	24.8	94	34.4	1964		59.8	15.4	49	9.4	1967	
24	67.0	19.4	75.0	23.9	94	34.4	1964		59.0	15.0	47	8.3	1963	
25	67.6	19.8	75.3	24.1	90	32.2	1981		59.8	15.4	47	8.3	1956	
26	66.9	19.4	74.6	23.7	91	32.8	1965*		59.3	15.2	48	8.9	1967	
27	66.8	19.3	74.7	23.7	97	36.1	1965		59.0	15.0	48	8.9	1976*	
28	66.9	19.4	74.3	23.5	87	30.6	1965		59.6	15.3	48	8.9	1961	
29	67.7	19.8	75.2	24.0	93	33.9	1969		60.3	15.7	51	10.6	1966	
30	67.7	19.8	74.7	23.7	92	33.3	1969		60.7	15.9	52	11.1	1966	
31	68.6	20.3	75.9	24.9	91	32.8	1956		61.3	16.3	47	8.3	1967	
Monthly	64.6	18.1	72.8	22.7	97	36.1	1965		56.4	13.6	36	2.2	1966	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME PATENT RIVER, MARYLAND

73-72

NOV

MONT

ALL

HOURS (L E T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	2.1	11.4	54.3	55.2	54.1	56.3	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
IV 20000	2.3	17.4	51.1	51.2	52.0	52.3	52.7	52.8	52.9	53.0	52.9	52.9	52.9	52.9	53.1	53.4
IV 18000	2.3	17.4	51.1	51.3	52.2	52.4	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.6
IV 16000	2.3	17.4	50.2	51.3	52.2	52.4	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.6
IV 14000	2.3	17.5	50.2	51.4	52.3	52.5	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.7
IV 12000	2.3	17.8	50.6	51.7	52.6	52.7	53.2	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.6	54.0
IV 10000	2.3	50.1	64.0	65.4	66.7	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.2
IV 9000	2.3	1.1	64.2	65.6	66.9	67.2	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.4
IV 8000	2.3	66.1	69.7	71.5	73.0	73.3	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.7
IV 7000	2.3	67.3	71.1	73.0	74.6	74.9	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	76.2
IV 6000	2.3	67.7	71.5	73.5	75.0	75.3	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.2	76.3	76.7
IV 5000	2.3	68.7	72.6	74.5	76.1	76.4	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.8
IV 4500	2.3	70.1	73.9	76.1	77.8	78.1	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.5
IV 4000	2.3	72.1	75.4	79.0	80.8	81.1	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.6
IV 3500	2.3	73.1	77.6	80.1	82.0	82.3	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.3	83.7
IV 3000	2.3	74.6	79.3	82.1	84.1	84.4	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.6	86.0
IV 2500	2.3	75.3	80.2	83.2	85.3	85.6	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.8	87.2
IV 2000	2.3	75.7	80.9	84.2	86.5	87.0	87.6	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.2	88.6
IV 1800	2.3	76.1	81.2	84.5	86.8	87.3	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.9
IV 1500	2.3	76.2	81.7	85.2	87.8	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.6	90.0
IV 1200	2.3	76.5	82.1	85.7	88.4	89.0	89.7	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.3	90.7
IV 1000	2.3	76.9	82.7	86.5	89.4	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.5	91.9
IV 900	2.3	76.9	83.0	86.9	89.9	90.6	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.0	92.4
IV 800	2.3	77.0	83.1	87.2	90.3	91.1	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.6	93.0
IV 700	2.3	77.1	83.3	87.6	90.8	91.7	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.4	93.8
IV 600	2.3	77.1	83.4	87.7	91.0	92.2	93.2	93.7	93.9	93.8	93.8	93.8	93.8	93.9	94.1	94.5
IV 500	2.3	77.1	83.6	88.0	91.4	92.9	94.1	94.8	94.8	95.0	95.0	95.1	95.2	95.2	95.4	95.8
IV 400	2.3	77.2	83.9	88.5	92.2	93.8	95.1	96.1	96.2	96.5	96.6	96.7	96.8	96.8	97.0	97.4
IV 300	2.3	77.2	83.9	88.5	92.2	93.9	95.4	96.5	96.5	97.0	97.2	97.3	97.4	97.5	97.8	98.2
IV 200	2.3	77.2	83.9	88.5	92.3	94.1	95.6	96.8	96.9	97.5	97.8	97.9	98.1	98.2	98.7	99.4
IV 100	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.1	97.5	97.9	98.0	98.3	98.4	98.9	99.9
IV 0	2.3	77.2	83.9	88.5	92.3	94.0	95.6	96.9	97.1	97.5	97.9	98.0	98.3	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2389

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	69.5	20.8	77.5	25.3	90	32.2	1951		61.5	16.4	45	7.2	1967	
2	70.1	21.2	78.2	25.7	94	34.4	1951		62.0	16.7	48	8.9	1953	
3	68.9	20.5	76.4	24.7	89	31.7	1980		61.4	16.3	52	11.1	1967*	
4	68.6	20.3	76.4	24.7	91	32.2	1981		60.7	15.9	53	11.7	1976	
5	69.6	20.9	77.9	25.5	89	31.7	1953		61.4	16.3	50	10.0	1945	
6	71.0	21.7	79.4	26.3	92	33.3	1952		62.6	17.0	51	10.6	1945	
7	71.7	22.1	79.8	26.6	94	34.4	1980		63.5	17.5	54	12.2	1945	
8	71.4	21.9	79.7	26.5	92	33.3	1965		63.2	17.3	51	10.6	1977	
9	72.1	22.3	80.2	26.8	95	35.0	1952		64.1	17.8	53	11.7	1980	
10	72.5	22.5	80.9	27.2	101	38.3	1964		64.1	17.8	54	12.2	1972	
11	72.4	22.4	80.6	27.0	91	32.8	1958		64.2	17.9	50	10.0	1972	
12	72.9	22.7	81.1	27.3	90	32.2	1970*		64.7	18.2	53	11.7	1979	
13	72.8	22.7	80.4	26.9	93	33.9	1956		65.1	18.4	53	11.7	1980	
14	72.3	22.4	80.1	26.7	93	33.9	1964		64.5	18.1	52	11.1	1979	
15	72.8	22.7	80.9	27.2	99	37.2	1964		64.8	18.2	55	12.8	1978	
16	72.6	22.6	80.5	26.9	95	35.0	1981		64.8	18.2	54	12.2	1965	
17	71.8	22.1	79.2	26.2	94	34.4	1952		64.4	18.0	53	11.7	1959	
18	72.3	22.4	80.0	26.7	95	35.0	1957		64.7	18.2	55	12.8	1965	
19	73.3	22.9	81.3	27.4	96	35.6	1962		65.2	18.4	56	13.3	1980*	
20	73.5	23.1	80.9	27.2	97	36.1	1964		66.1	18.9	56	13.3	1979	
21	74.1	23.4	81.7	27.6	90	32.2	1960*		66.4	19.1	56	13.3	1979	
22	74.5	23.6	82.2	27.9	95	35.0	1981		66.9	19.4	56	13.3	1963	
23	75.0	23.9	82.8	28.2	93	33.9	1969		67.1	19.5	56	13.3	1967	
24	75.9	24.4	84.3	29.1	95	35.0	1950*		67.5	19.7	55	12.8	1972	
25	76.5	24.7	84.7	29.3	95	35.0	1981*		68.4	20.2	57	13.9	1979	
26	76.1	24.5	83.9	28.8	99	37.2	1952		68.2	20.1	53	11.7	1979	
27	76.2	24.6	84.6	29.2	97	36.1	1952		67.9	19.9	53	11.7	1979	
28	76.2	24.6	84.1	28.9	98	36.7	1969		68.3	20.2	58	14.4	1970*	
29	77.1	25.1	85.4	29.7	99	37.2	1959		68.7	20.4	58	14.4	1974	
30	77.8	25.4	86.1	30.1	97	36.1	1945		69.6	20.8	62	16.7	1981*	
31														
Monthly	73.0	22.8	81.0	27.2	101	38.3	1964		65.1	18.4	45	7.2	1967	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	78.1	25.6	85.8	29.9	96	35.6	1953		70.4	21.3	62	16.7	1972*	
2	77.4	25.2	85.8	29.9	100	37.8	1953		69.1	20.6	55	12.8	1952	
3	78.0	25.6	86.2	30.1	100	37.8	1954		69.7	20.9	62	16.7	1978*	
4	76.6	24.8	84.4	29.1	99	37.2	1970		68.7	20.4	58	14.4	1967	
5	76.7	24.8	84.9	29.4	97	36.1	1980		68.5	20.3	58	14.4	1967	
6	76.1	24.5	83.8	28.8	95	35.0	1949		68.4	20.2	57	13.9	1979	
7	76.1	24.5	83.7	28.7	94	34.4	1966		68.6	20.3	58	14.4	1972	
8	76.6	24.8	84.2	29.0	96	35.6	1982		69.0	20.6	56	13.3	1972	
9	76.7	24.8	84.0	28.9	95	35.0	1981		69.3	20.7	59	15.0	1963	
10	76.7	24.8	84.2	29.0	95	35.0	1966		69.3	20.7	59	15.0	1963	
11	76.0	24.4	83.1	28.4	97	36.1	1966		68.9	20.5	59	15.0	1963	
12	76.4	24.7	84.1	28.9	96	35.6	1966		68.6	20.3	60	15.6	1978*	
13	77.2	25.1	85.0	29.4	97	36.1	1954		69.5	20.8	57	13.9	1978	
14	78.0	25.6	85.2	29.6	94	34.4	1966*		70.8	21.6	62	16.7	1963	
15	77.6	25.3	84.9	29.4	93	33.9	1952		70.3	21.3	64	17.8	1976	
16	77.9	25.5	84.9	29.4	101	38.3	1980		70.8	21.6	64	17.8	1967	
17	78.1	25.6	85.7	29.8	103	39.4	1980		70.6	21.4	61	16.1	1946	
18	78.6	25.9	86.2	30.1	96	35.6	1963		70.9	21.6	64	17.8	1976*	
19	79.4	26.3	87.4	30.8	95	35.0	1963*		71.4	21.9	63	17.2	1976	
20	78.9	26.1	85.9	29.9	99	37.2	1980		71.8	22.1	64	17.8	1965	
21	78.5	25.8	86.1	30.1	98	36.7	1980*		70.9	21.6	61	16.1	1965	
22	78.7	25.9	86.3	30.2	98	36.7	1952		71.2	21.8	62	16.7	1965	
23	78.5	25.8	85.9	29.9	100	37.8	1952		71.1	21.7	61	16.1	1947	
24	77.6	25.3	85.1	29.5	99	37.2	1968		70.2	21.2	60	15.6	1961	
25	77.7	25.4	85.1	29.5	95	35.0	1965		70.3	21.3	62	16.7	1947	
26	77.9	25.5	85.0	29.4	96	35.6	1982*		70.7	21.5	61	16.1	1976	
27	78.8	26.0	86.2	30.1	96	35.6	1963		71.3	21.8	62	16.7	1962	
28	78.4	26.2	86.0	30.0	98	36.7	1964		72.1	22.3	67	15.9	1977	

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	78.4	25.8	86.1	30.1	97	36.1	1968		70.8	21.6	62	16.7	1981	
2	77.7	25.4	85.2	29.6	96	35.6	1955		70.3	21.3	63	17.2	1981	
3	77.7	25.4	84.9	29.4	97	36.1	1980		70.4	21.3	60	15.6	1965	
4	77.3	25.2	84.2	29.0	97	36.1	1963		70.4	21.3	60	15.6	1976	
5	76.7	24.8	83.9	28.8	96	35.6	1977		69.4	20.8	60	15.6	1951	
6	76.5	24.7	83.8	28.8	97	36.1	1977*		69.2	20.7	59	15.0	1951	
7	76.9	24.9	84.1	28.9	97	36.1	1977		69.8	21.0	61	16.1	1948	
8	77.5	25.3	84.8	29.3	95	35.0	1980		70.2	21.2	62	16.7	1950	
9	78.1	25.6	85.4	29.7	94	34.4	1980		70.7	21.5	60	15.6	1964	
10	78.2	25.7	85.7	29.8	95	35.0	1977		70.7	21.5	63	17.2	1976*	
11	77.6	25.3	84.8	29.3	95	35.0	1980*		70.3	21.3	59	15.0	1972	
12	76.2	24.6	83.9	28.8	96	35.6	1977		68.5	20.3	57	13.9	1974	
13	76.2	24.6	83.3	28.5	91	32.8	1975*		69.1	20.6	59	15.0	1982	
14	76.9	24.9	84.4	29.1	94	34.4	1980		69.3	20.8	60	15.6	1964	
15	77.5	25.3	84.9	29.4	98	36.7	1947		70.1	21.2	58	14.4	1964	
16	77.4	25.2	84.7	29.3	97	36.1	1966		70.1	21.2	59	15.0	1979	
17	76.8	24.9	84.0	28.9	97	36.1	1968		69.5	20.8	59	15.0	1979	
18	76.0	24.4	82.6	28.1	95	35.0	1966		69.4	20.8	62	16.7	1981	
19	76.1	24.5	82.9	28.3	95	35.0	1966*		69.2	20.7	61	16.1	1953	
20	76.2	24.6	83.4	28.6	93	33.9	1962		69.1	20.6	61	16.1	1976	
21	75.7	24.3	82.4	28.0	96	35.6	1959		69.1	20.6	61	16.1	1976	
22	75.7	24.3	82.4	28.0	96	35.6	1959		68.9	20.5	60	15.6	1981	
23	75.5	24.2	82.0	27.8	97	36.1	1964		68.9	20.5	60	15.6	1986*	
24	75.5	24.2	82.9	28.3	92	33.3	1978		68.1	20.1	58	14.4	1952	
25	75.8	24.3	83.0	28.3	96	35.6	1968		68.6	20.3	60	15.6	1977*	
26	75.6	24.2	83.5	28.6	93	33.9	1948		67.8	19.9	58	14.4	1977*	
27	76.3	24.6	84.2	29.0	95	35.0	1948		68.4	20.2	56	13.3	1945	
28	76.6	24.8	84.2	29.0	94	34.4	1970*		68.9	20.5	59	15.0	1965*	
29	77.1	25.1	84.8	29.3	97	36.1	1948		69.4	20.8	59	11.7	1982	
30	77.0	25.0	84.8	29.3	97	36.1	1953		69.2	20.7	54	12.2	1982	
31	77.1	25.1	84.6	29.2	97	36.1	1980*		69.6	20.9	58	14.4	1966	
Monthly	76.8	24.9	84.1	28.9	98	36.7	1947		69.5	20.8	53	11.7	1982	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 7701 STATION NAME DETACHMENT, ASHEVILLE, NC YEARS 73-74 MONTH NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.7	48.7	48.7	49.0	50.0	50.0	50.2	50.5	50.7	50.9	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	1.7	48.7	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
18000	1.7	50.2	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
16000	1.7	50.2	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
14000	1.7	50.2	52.1	53.7	54.1	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
12000	1.7	50.2	52.4	54.1	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
10000	1.7	58.5	58.8	60.2	59.9	60.3	59.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
9000	1.7	57.7	58.9	60.3	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
8000	1.7	63.4	64.2	67.6	68.3	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
7000	1.7	64.1	64.3	68.0	68.6	68.6	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
6000	1.7	64.7	67.0	68.6	69.3	69.0	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
5000	1.7	66.7	67.9	70.9	71.5	71.5	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
4500	1.7	68.7	70.2	74.4	75.1	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4000	1.7	71.0	73.9	76.1	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
3500	1.7	71.2	74.9	77.3	77.7	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
3000	1.7	71.4	75.4	77.7	78.6	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2500	1.7	73.6	77.7	79.6	81.9	81.0	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2000	1.7	73.6	77.7	81.2	82.9	83.5	83.5	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1
1800	1.7	73.6	77.7	81.2	82.9	83.5	83.5	83.8	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1
1500	1.7	74.4	77.3	82.2	84.1	85.1	85.1	85.4	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8
1200	1.7	74.4	77.7	82.5	84.0	85.4	85.4	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1
1000	1.7	75.1	77.7	83.2	85.1	86.1	86.4	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1
900	1.7	75.1	77.7	84.1	86.1	87.4	87.7	88.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7
800	1.7	75.1	77.7	85.0	87.7	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
700	1.7	75.1	81.0	87.1	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
600	1.7	75.4	82.7	87.7	88.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
500	1.7	75.4	82.7	88.0	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
400	1.7	75.4	82.9	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
300	1.7	75.4	82.9	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
200	1.7	75.4	82.9	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
100	1.7	75.4	82.9	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
0	1.7	75.4	82.9	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEAN/MET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	76.0	24.4	83.1	28.4	98	36.7	1980	68.9	20.5	58	14.4	1948*		
2	75.7	24.3	82.8	28.2	98	36.7	1980	68.6	20.3	57	13.9	1948		
3	75.2	24.0	82.6	28.1	93	33.9	1954	67.8	19.9	57	13.9	1967		
4	74.9	23.8	82.1	27.8	94	34.4	1966	67.6	19.8	58	14.4	1974*		
5	74.6	23.7	81.6	27.6	93	33.9	1964	67.7	19.8	57	13.9	1982		
6	74.0	23.3	81.1	27.3	95	35.0	1954	66.9	19.4	57	13.9	1982*		
7	73.2	22.9	80.3	26.8	95	35.0	1954	66.1	18.9	56	13.3	1965		
8	72.6	22.6	79.5	26.4	90	32.2	1976*	65.6	18.7	58	14.4	1963*		
9	72.4	22.4	79.6	26.4	89	31.7	1976	65.2	18.4	55	12.8	1951		
10	72.5	22.5	80.1	26.7	92	33.3	1970	64.8	18.2	55	12.8	1956*		
11	72.4	22.4	80.2	26.8	92	33.3	1964	64.6	18.1	55	12.8	1976*		
12	72.7	22.6	80.5	26.9	91	32.8	1978*	64.9	18.3	56	13.3	1967*		
13	71.4	21.9	79.3	26.3	92	33.3	1952	63.6	17.6	54	12.2	1968		
14	72.2	22.3	79.8	26.6	93	33.9	1952	64.5	18.1	50	10.0	1953		
15	71.4	21.9	78.6	25.9	88	31.1	1970*	64.2	17.9	54	12.2	1946		
16	70.7	21.5	77.4	25.2	94	34.4	1970	63.9	17.7	54	12.2	1946		
17	70.5	21.4	77.3	25.2	91	32.8	1958	63.8	17.7	52	11.1	1959		
18	70.2	21.2	77.9	25.5	90	32.2	1982*	62.6	17.0	52	11.1	1959		
19	71.3	21.8	78.2	25.7	92	33.3	1978	64.3	17.9	53	11.7	1959		
20	70.0	21.1	76.6	24.8	88	31.1	1963	63.3	17.4	52	11.1	1959*		
21	69.7	20.9	77.0	25.0	92	33.3	1974	62.4	16.9	46	7.8	1956		
22	68.6	20.3	75.8	24.2	91	32.8	1980	61.7	16.5	53	11.7	1962*		
23	66.9	19.4	73.9	23.3	92	33.3	1970	59.8	15.4	50	10.0	1974*		
24	66.3	19.1	73.8	23.2	89	31.7	1970	58.8	14.9	48	8.9	1974*		
25	67.5	19.7	74.6	23.7	90	32.2	1970	60.3	15.7	46	7.8	1950		
26	67.2	19.6	74.1	23.4	87	30.6	1972*	60.3	15.7	47	8.3	1950		
27	66.9	19.4	74.1	23.4	84	28.9	1981*	59.7	15.4	47	8.3	1947		
28	66.4	19.1	73.1	22.8	84	28.9	1973	59.7	15.4	50	10.0	1980*		
29	65.7	18.7	72.8	22.7	88	31.1	1973*	58.5	14.7	48	8.9	1951		
30	65.2	18.4	72.3	22.4	87	30.6	1954	58.2	14.6	46	7.8	1951		
31														
Monthly	70.8	21.6	78.0	25.6	98	36.7	1980	63.6	17.6	46	7.8	1956*		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8M08

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: DIPNAVOCEANMET, SMOS STATION: 73-12 YEARS: 1960 MONTH: 10 HOURS (LST): 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
≥ 20000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
18000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
16000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
14000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
12000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
10000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
9000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
8000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
7000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
6000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
5000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
4500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
4000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
3500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
3000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
2500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
2000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1800	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1200	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
1000	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
900	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
800	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
700	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
600	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
500	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
400	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
300	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
200	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
100	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5
0	1.0	44.5	47.5	46.1	46.5	46.1	46.5	47.5	46.5	45.1	45.5	46.5	45.5	46.5	46.5	46.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	65.3	18.5	72.1	22.3	86	30.0	1981*		58.6	14.8	40	4.4	1987	
2	64.8	18.2	72.7	22.6	87	30.6	1954		56.8	13.8	44	6.7	1974	
3	64.0	17.8	71.5	21.9	93	33.9	1968		56.5	13.6	40	4.4	1974	
4	63.2	17.3	70.9	21.6	92	33.3	1954		55.6	13.1	38	3.3	1974	
5	63.9	17.7	71.9	22.2	90	32.2	1959		55.9	13.3	40	4.4	1965	
6	63.6	17.6	71.7	22.1	87	30.6	1959		55.4	13.0	40	4.4	1965	
7	63.2	17.3	70.6	21.4	83	28.3	1963*		55.8	13.2	45	7.2	1954	
8	62.4	16.9	69.7	20.9	83	28.3	1982*		55.1	12.8	44	6.7	1953	
9	62.8	17.1	69.9	21.1	85	29.4	1980		55.7	13.2	39	3.9	1978	
10	61.5	16.4	68.9	20.5	86	30.0	1949		54.0	12.2	38	3.3	1979	
11	61.2	16.2	68.9	20.5	88	31.1	1954		53.4	11.9	38	3.3	1964	
12	61.7	16.5	69.9	21.1	87	30.6	1954		53.5	11.9	39	3.9	1964	
13	60.9	16.1	68.5	20.3	89	31.7	1954		53.2	11.8	40	4.4	1980	
14	61.2	16.2	68.8	20.4	85	29.4	1975		53.7	12.1	40	4.4	1979	
15	61.2	16.2	69.9	21.1	86	30.0	1975		52.6	11.4	38	3.3	1979	
16	60.4	15.8	68.6	20.3	80	26.7	1958		52.3	11.3	40	4.4	1978*	
17	59.9	15.5	67.6	19.8	80	26.7	1963		52.2	11.2	38	3.3	1977	
18	59.7	15.4	67.8	19.7	82	27.8	1963		51.9	11.1	36	2.2	1977	
19	58.2	14.6	65.3	18.5	79	26.1	1947*		51.1	10.6	37	2.8	1972	
20	58.1	14.5	65.9	18.8	84	28.9	1969		50.3	10.2	32	.0	1981*	
21	57.9	14.4	66.3	19.1	84	28.9	1979		49.5	9.7	33	.6	1974	
22	58.7	14.8	66.4	19.1	83	28.3	1979*		51.1	10.6	34	1.1	1974	
23	59.2	15.1	67.2	19.6	84	28.9	1978		51.3	10.7	35	1.7	1969	
24	57.4	14.1	64.3	17.9	77	25.0	1975*		50.5	10.3	33	.6	1969	
25	56.0	13.3	63.1	17.3	74	23.3	1961*		48.9	9.4	36	2.2	1969	
26	55.2	12.9	62.6	17.0	82	27.8	1978		47.9	8.8	36	2.2	1952	
27	55.5	13.1	63.4	17.4	78	25.6	1951		47.7	8.7	35	1.7	1976	
28	55.7	13.2	63.2	17.3	74	23.3	1947		46.2	9.0	34	1.1	1976	
29	55.7	13.2	63.1	17.3	79	26.1	1946		46.2	9.0	30	-1.1	1965	
30	55.2	12.9	62.4	16.9	79	26.1	1950*		47.9	8.8	32	.0	1952	
31	56.6	13.7	64.7	18.2	83	28.3	1946		48.5	9.2	35	1.7	1968	
Monthly	60.0	15.6	67.7	19.8	93	33.9	1968		52.4	11.3	30	-1.1	1965	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION FAITH PT. NAVY, MARYLAND YEARS 77-78 MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	47.1	47.4	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 16000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 14000	1.0	4.2	54.5	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	1.0	5.2	55.5	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	1.0	5.1	55.7	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 9000	1.0	5.7	56.4	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 8000	1.0	5.3	57.5	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 7000	1.0	5.2	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 6000	1.0	5.3	57.5	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 5000	1.0	5.4	57.7	58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	1.0	5.6	58.4	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4000	1.0	5.4	57.4	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 3500	1.0	70.3	77.0	78.2	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3000	1.0	71.9	78.1	78.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 2500	1.0	74.2	77.7	78.7	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	1.0	75.5	81.2	81.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	1.0	75.5	81.2	81.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1500	1.0	76.0	81.6	83.9	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	1.0	76.5	81.9	84.8	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1000	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 600	1.0	77.4	83.6	86.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 500	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 300	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 200	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 100	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 0	1.0	77.7	84.5	87.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	56.9	13.8	64.9	18.3	83	28.3	1982	48.9	9.4	33	.6	1954		
2	57.9	14.4	65.7	18.7	85	29.4	1988	50.1	10.1	27	-2.8	1976		
3	56.5	13.6	64.6	18.1	77	25.0	1953	48.4	9.1	32	.0	1951		
4	54.7	12.6	62.1	16.7	79	26.1	1982*	47.4	8.6	31	-.6	1951		
5	52.9	11.6	60.0	15.6	79	26.1	1975	45.8	7.7	33	.6	1976		
6	50.9	10.5	58.7	14.8	78	25.6	1948	43.2	6.2	29	-1.7	1976		
7	51.2	10.7	59.3	15.2	78	25.6	1975	43.1	6.2	30	-1.1	1953		
8	51.4	10.8	59.7	15.4	79	26.1	1975	43.1	6.2	29	-1.7	1976*		
9	52.0	11.1	59.8	15.4	76	24.4	1966	44.3	6.8	24	-4.4	1976		
10	51.0	10.6	58.2	14.6	78	25.6	1966	43.8	6.6	33	.6	1973		
11	50.0	10.0	57.3	14.1	76	24.4	1949	42.7	5.9	32	.0	1976*		
12	50.8	10.4	58.3	14.6	73	22.8	1982	43.4	6.3	30	-1.1	1957		
13	50.5	10.3	57.7	14.3	76	24.4	1964	43.3	6.3	31	-.6	1976		
14	51.6	10.9	59.6	15.3	78	25.6	1955	43.7	6.5	29	-1.7	1976		
15	49.8	9.9	56.9	13.8	80	26.7	1973	42.7	5.9	26	-3.3	1967		
16	50.7	10.4	58.9	14.9	78	25.6	1955	42.4	5.8	23	-5.0	1967		
17	49.6	9.8	57.7	14.3	72	22.2	1955	41.6	5.3	28	-2.2	1959		
18	49.4	9.7	57.2	14.0	74	23.3	1979	41.6	5.3	23	-5.0	1959		
19	48.9	9.4	56.8	13.8	73	22.8	1976*	41.1	5.1	26	-3.3	1951		
20	48.1	8.9	55.6	13.1	72	22.2	1948	40.7	4.8	26	-3.3	1951		
21	46.7	8.2	54.2	12.3	72	22.2	1956	39.2	4.0	24	-4.4	1969		
22	46.1	7.8	53.6	12.0	73	22.8	1979	38.6	3.7	21	-6.1	1969		
23	45.9	7.7	53.8	12.1	74	23.3	1979	38.0	3.3	24	-4.4	1970*		
24	46.8	8.2	54.7	12.6	72	22.2	1979*	38.9	3.8	21	-6.1	1970*		
25	44.7	7.1	52.1	11.2	80	26.7	1973	37.3	2.9	20	-6.7	1950		
26	44.4	6.9	52.2	11.2	73	22.8	1946	36.7	2.6	19	-7.2	1950		
27	46.6	8.1	54.2	12.3	69	20.6	1976*	39.0	3.9	26	-3.3	1977*		
28	46.3	7.9	54.0	12.2	77	25.0	1973	38.7	3.7	23	-5.0	1955		
29	43.4	6.3	50.8	10.4	72	22.2	1968	36.0	2.2	16	-8.9	1955		
30	40.7	4.8	47.6	8.7	64	17.8	1973	33.8	1.0	20	-6.7	1976*		
31														
Monthly	49.6	9.8	57.2	14.0	85	29.4	1968	41.9	5.5	16	-8.9	1955		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATENT IVTA, MARYLAND

STATION NAME

73-32

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	46.1	47.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	1.0	43.0	54.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 18000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 12000	1.0	44.2	55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 10000	2.3	47.4	58.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 9000	2.3	47.4	58.7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 8000	2.3	45.8	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	2.3	46.5	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	2.3	47.1	67.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	2.3	49.7	71.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4500	2.3	71.7	74.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	2.3	73.2	75.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3500	2.3	73.8	77.1	78.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3000	2.3	75.2	77.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	2.3	76.1	82.7	82.3	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 2000	2.3	77.7	81.9	84.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	2.3	78.1	82.3	84.8	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1500	2.3	78.4	82.9	85.8	87.1	87.4	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1200	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 800	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 600	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 500	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 400	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 300	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 200	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 100	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 0	2.3	79.0	84.5	87.4	89.7	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS

310

DIPNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	40.6	4.8	48.4	9.1	71	21.7	1946		32.8	.4	20	-6.7	1976*
2	42.0	5.6	49.8	9.9	67	19.4	1980		34.1	1.2	23	-5.0	1964
3	43.5	6.4	50.6	10.3	71	21.7	1950		36.4	2.4	17	-8.3	1966
4	44.7	7.1	52.7	11.5	76	24.4	1982		36.8	2.7	14	-10.0	1966
5	44.5	6.9	52.6	11.4	73	22.8	1982		36.4	2.4	22	-5.6	1966
6	44.0	6.7	52.2	11.2	71	21.7	1982*		35.9	2.2	22	-5.6	1954
7	43.9	6.6	51.6	10.9	74	23.3	1956		36.3	2.4	20	-6.7	1954
8	44.4	6.7	52.3	11.3	74	23.3	1978*		36.5	2.5	20	-6.7	1954
9	42.2	5.7	49.6	9.8	74	23.3	1951		34.8	1.6	19	-7.2	1976
10	40.2	4.6	47.2	8.4	75	23.9	1966		33.2	.7	15	-9.4	1968
11	39.2	4.0	46.0	7.8	68	20.0	1971		32.4	.2	15	-9.4	1968
12	40.5	4.7	47.4	8.6	71	21.7	1979		33.5	.8	14	-10.0	1957
13	40.8	4.9	48.5	9.2	67	19.4	1956		33.1	.6	12	-11.1	1960
14	39.1	3.9	46.0	7.8	64	17.8	1948		32.2	.1	13	-10.6	1960
15	38.4	3.6	45.2	7.3	70	21.1	1971		31.6	-.2	13	-10.6	1958
16	38.2	3.4	45.4	7.4	75	23.9	1971		30.9	-.6	10	-12.2	1958
17	37.7	3.2	45.2	7.3	60	15.6	1946		30.1	-1.1	15	-9.4	1951
18	37.3	2.9	45.1	7.3	61	16.1	1966		29.6	-1.3	18	-7.8	1953
19	37.1	2.8	44.2	6.8	63	17.2	1957		30.1	-1.1	16	-8.9	1964*
20	37.5	3.1	44.4	6.9	63	17.2	1972		30.6	-.8	14	-10.0	1963
21	37.5	3.1	44.0	6.7	67	19.4	1956		31.0	-.6	13	-10.6	1980
22	36.5	2.5	43.1	6.2	68	20.0	1949		29.9	-1.2	18	-7.8	1963*
23	38.5	3.6	46.4	8.0	66	18.9	1981		30.7	-.7	18	-7.8	1980*
24	39.4	4.1	46.0	7.8	65	18.3	1982*		32.9	.5	17	-8.3	1945
25	38.5	3.6	45.6	7.6	72	22.2	1982*		31.5	-.3	12	-11.1	1980
26	38.9	3.8	46.6	8.1	72	22.2	1982		31.3	-.4	10	-12.2	1980
27	37.9	3.3	44.7	7.1	69	20.0	1973*		31.0	-.6	16	-8.9	1977*
28	39.2	4.0	46.8	8.2	74	23.3	1971		31.7	-.2	17	-8.3	1966
29	39.3	4.1	46.5	8.1	66	18.9	1982		32.1	.1	18	-7.8	1977
30	38.8	3.8	46.2	7.9	70	21.1	1971		31.5	-.3	16	-8.9	1976
31	37.7	3.2	44.4	6.9	72	22.2	1965		31.1	-.5	15	-9.4	1962
Monthly	39.9	4.4	47.2	8.4	76	24.4	1982		32.6	.3	10	-12.2	1980*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

724 STATION PATUXENT RIVER, MARYLAND 45-62 YEARS

W HOLE DEGREES FAHRENHEIT

EXTREME VALUES

PATUXENT RIVER, MARYLAND

45-6

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATRICK RIVER, MARYLAND

73-92

YEARS

DEC

MONTH

72

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	53.2	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7
≥ 20000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 18000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 16000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 14000	55.5	55.3	56.0	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 12000	55.7	56.0	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6
≥ 10000	59.6	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 9000	59.5	60.2	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.8	61.8
≥ 8000	55.1	66.3	67.0	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
≥ 7000	56.5	67.3	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9	68.9
≥ 6000	56.5	67.6	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3	69.3
≥ 5000	68.3	69.9	70.6	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.8	71.8
≥ 4500	71.2	72.8	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.1	75.1
≥ 4000	73.3	76.1	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 3500	74.4	76.7	77.7	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	79.0	79.0
≥ 3000	77.0	79.6	80.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2
≥ 2500	77.7	80.6	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5	83.5
≥ 2000	79.3	83.5	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4	86.4
≥ 1800	79.6	83.8	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7
≥ 1600	74.9	84.1	85.8	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4	87.4
≥ 1400	79.9	84.1	85.8	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.7
≥ 1200	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 1000	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 900	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 800	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 700	80.9	85.1	87.4	88.7	89.3	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.3	90.3
≥ 600	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 500	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 400	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 300	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 200	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 100	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8
≥ 0	1.6	86.4	89.6	91.6	92.2	93.2	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

399

DIRNAVOCEANMET SMOS

EXTREME VALUES

751
STATION

45-2

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

PATIENT RIVER, MARYLAND

73-02

YEARS

DEC

MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.2	49.3	50.1	50.8	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3
≥ 20000	1.1	54.3	55.4	56.2	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0
IV 18000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
IV 16000	1.1	54.3	55.5	56.3	56.6	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.1
IV 14000	1.1	54.4	55.5	56.3	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.1	57.1
IV 12000	1.1	55.2	56.4	57.2	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	58.0
IV 10000	1.2	59.4	60.8	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.5
IV 9000	1.2	59.6	61.0	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.7	62.7
IV 8000	1.2	64.6	66.5	67.5	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.4	68.4
IV 7000	1.2	65.2	67.2	68.2	68.6	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2
IV 6000	1.2	65.7	67.8	68.9	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.9	69.9
IV 5000	1.2	67.3	69.7	70.9	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.9	71.9
IV 4500	1.2	69.7	72.4	73.7	74.3	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.9	74.9
IV 4000	1.2	71.3	74.8	76.3	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6
IV 3500	1.2	72.4	75.7	77.2	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6
IV 3000	1.2	74.2	77.8	79.6	80.5	80.7	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.4
IV 2500	1.2	75.5	79.3	81.2	82.3	82.4	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.2
IV 2000	1.2	76.5	80.8	83.1	84.3	84.5	84.7	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.3
IV 1800	1.2	76.7	80.9	83.2	84.4	84.6	84.8	85.0	85.1	85.1	85.2	85.2	85.3	85.3	85.4	85.4
IV 1500	1.2	77.3	81.8	84.5	85.9	86.2	86.5	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.2	87.2
IV 1200	1.2	77.6	82.2	85.1	86.6	87.0	87.3	87.6	87.7	87.8	87.9	87.9	87.9	87.9	88.0	88.1
IV 1000	1.2	78.2	83.7	86.1	88.7	89.5	89.1	89.5	89.6	89.8	89.8	89.8	89.9	89.9	90.0	90.0
IV 900	1.2	78.4	83.7	86.6	89.6	89.3	89.9	90.5	90.5	90.7	90.8	90.8	90.8	90.8	91.0	91.0
IV 800	1.2	78.4	83.6	87.2	89.2	90.1	90.7	91.3	91.3	91.5	91.6	91.6	91.7	91.7	91.8	91.8
IV 700	1.2	78.6	83.9	87.6	89.8	90.8	91.6	92.1	92.2	92.3	92.5	92.5	92.5	92.6	92.7	92.8
IV 600	1.2	78.9	84.3	88.2	90.6	91.6	92.5	93.1	93.2	93.4	93.5	93.5	93.5	93.7	93.8	93.9
IV 500	1.2	79.0	84.4	88.4	91.1	92.4	93.5	94.3	94.4	94.6	94.8	94.8	94.8	94.9	95.1	95.1
IV 400	1.2	79.0	84.5	88.5	91.6	92.9	94.4	95.4	95.5	95.7	95.9	95.9	96.1	96.2	96.4	96.4
IV 300	1.2	79.0	84.6	88.6	91.8	93.2	95.3	96.1	96.2	96.5	96.9	96.9	97.2	97.3	97.5	97.6
IV 200	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.1	97.6	97.6	98.2	98.3	98.7	99.1
IV 100	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	99.8
IV 0	1.2	79.1	84.6	88.6	91.8	93.3	95.2	96.5	96.7	97.2	97.8	97.9	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2477

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION PATUXENT RIVER, MARYLAND

45-00

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			3	36	42	5	61	56	56	42		16	
4	17	18	32	36	44	53	61	58	54	46	34	2	7
47	14	8	26	34	39	53	61	67	47	4	29	25	3
4	10	15	20	37	47	56	6	60	56	38	36	17	
	2	26	25	37	49	56	66	63	49	43	26	25	23
	25		17	26	45	54	64	62	46	44	19	16	
	16	12	28	34	48	55	63	59	46	44	26		
		27	25	35	44	56	55	58	51	32		12	
3	25	24	24	32	52	48	64	61	50	43	3		
4	16	20	22	29	42	55	61	59	55	4	31	19	6
5	14	13	24	35	46	56	63	65	57	4	16	17	23
5	22	22	25	32	42	55	61	60	46	46	21	25	21
57	1	25	3	32	42	55	62	63	49	35	30	14	10
5	18	7	3	37	48	54	67	65	53	43	20	10	7
5	11	15	29	37	45	53	66	63	52	42	23	22	11
	20	21	16	33	45	58	64	62	58	38	3	12	12
	7	10	25	31	45	58	60	62	55	42	33	22	7
	12	17	2	36	50	61	62	62	53	36	36	15	12
3	9	1	3	44	44	56	59	58	48	43	34	14	9
4	14	22	26	32	46	52	62	58	53	36	22	16	44
5	3	9	19	30	52	54	6	54	54	3	27	25	3
6	12	12	25	35	36	50	64	63	53	40	3	14	12
67	1	12	15	37	43	45	58	61	49	39	23	21	
6	9	1	21	36	43	58	64	59			27	15	
67	1	18	21	28	44	58	63	61	49	33	21	21	10
	4	1	23	33	41	58		64	49	41	21	22	
7	14	7	27	35	46	59	64	63	58	51	31	24	9
7	7	19	26	30	49	50	56	59	55	35	27	22	7
73	18	12	28	37	43	56	62	62	54	4	32	21	12
74	21	21	27	35	44	55	65	57	48	32	26	26	21
MEAN													
S. D.													
TOTAL OBS.													

SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD

CEILING VERSUS VISIBILITY

STATION 10001 PAT. L. T. IVAN, MARYLAND

73-

YEARS

ALL

MOUTH

ALL

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	46.1	50.0	52.3	54.5	54.4	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 20000	•	51.7	56.3	59.7	61.8	62.1	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9
IVIV 18000	•	51.7	56.4	59.7	61.8	62.1	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
IVIV 16000	•	51.7	56.4	59.7	61.8	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9
IVIV 14000	•	51.7	56.6	60.0	62.1	62.4	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2
IVIV 12000	•	52.6	57.4	60.8	62.9	63.3	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1
IVIV 10000	•	55.7	61.0	64.7	67.1	67.5	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3
IVIV 9000	•	55.7	61.3	65.0	67.4	67.8	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7
IVIV 8000	•	60.0	66.7	70.3	72.9	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
IVIV 7000	•	60.3	67.0	71.3	74.3	74.5	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4
IVIV 6000	•	61.3	67.4	71.7	74.5	74.9	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9
IVIV 5000	•	62.1	68.5	73.0	75.8	76.3	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.3
IVIV 4500	•	63.4	69.9	74.5	77.4	77.9	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9	78.9
IVIV 4000	•	65.1	71.0	76.6	79.7	80.2	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
IVIV 3500	•	65.7	72.4	77.5	80.6	81.1	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.2
IVIV 3000	•	67.9	75.2	80.6	84.0	84.5	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.8
IVIV 2500	•	68.6	76.2	81.7	85.2	85.3	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.1
IVIV 2000	•	69.3	77.1	82.9	86.6	87.2	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
IVIV 1800	•	69.4	77.3	83.1	86.8	87.5	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.8	88.9
IVIV 1500	•	70.1	78.3	84.4	88.3	89.1	89.9	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.6
IVIV 1200	•	70.4	78.7	85.0	89.0	89.8	90.7	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.4
IVIV 1000	•	70.9	79.3	85.9	90.2	91.1	92.2	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.9	92.9
IVIV 900	•	70.9	79.5	86.3	90.7	91.6	92.7	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.5	93.5
IVIV 800	•	71.0	79.8	86.7	91.3	92.3	93.4	93.8	93.8	94.1	94.1	94.1	94.2	94.2	94.3	94.4
IVIV 700	•	71.1	80.1	87.1	91.9	92.9	94.2	94.6	94.6	94.8	94.9	94.9	95.0	95.0	95.1	95.2
IVIV 600	•	71.2	80.2	87.4	92.2	93.4	94.7	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.8	95.9
IVIV 500	•	71.3	80.3	87.6	92.7	94.2	95.6	96.1	96.2	96.5	96.6	96.6	96.7	96.8	96.9	97.0
IVIV 400	•	71.4	80.4	87.8	93.1	94.5	96.2	96.8	96.9	97.3	97.4	97.5	97.6	97.6	97.8	97.9
IVIV 300	•	71.4	80.5	87.9	93.2	94.7	96.5	97.2	97.3	97.8	98.0	98.0	98.3	98.3	98.5	98.6
IVIV 200	•	71.4	80.5	87.9	93.2	94.7	96.6	97.4	97.5	98.0	98.3	98.4	98.8	98.8	99.1	99.3
IVIV 100	•	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	99.8
IVIV 0	•	71.4	80.5	87.9	93.2	94.8	96.6	97.5	97.5	98.1	98.4	98.5	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

29198

DIPNAVOCEANMET SMOS

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
101	PATUXENT RIVER, MARYLAND

45-62

YEARS

WHOLE DEGREES FAHRENHEIT

SMOS

4

EXTREME VALUES

1 722
STATION

45-52

YEARS

▲HOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PSYCHROMETRIC SUMMARY

17721 PATUXENT RIVER, MARYLAND

73-P2

JAN

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point		
74/ 75								.2									4	4				
72/ 71							.1										2	2				
70/ 69						.1	.0										2	2				
68/ 67			.1														3	3				
66/ 65								.0									1	1				
64/ 63		.1		.1	.2												5	5	3			
62/ 61		.1	.1	.0	.1	.1											10	10	2	4		
60/ 59	.0	.1		.1	.1			.1									11	11	12	2		
58/ 57	.0	.2	.1	.1	.1	.1	.0										19	19	7	4		
56/ 55	.0	.4	.1	.0	.3	.2	.1										30	30	13	8		
54/ 53		.5	.2	.3	.2	.2	.0										36	36	20	10		
52/ 51	.0	.4	.4	.2	.1	.2	.1										36	36	23	22		
50/ 49	.2	.4	.4	.3	.5	.3	.1										52	52	26	27		
48/ 47	.1	1.0	.5	.4	.7	.2	.1										77	77	45	26		
46/ 45	.2	1.3	.5	.8	.2	.4	.1										87	87	56	22		
44/ 43	.5	1.9	.8	.5	1.1	.4											130	130	91	46		
42/ 41	.7	1.5	1.6	1.5	.9	.1											156	156	111	79		
40/ 39	.9	1.2	1.3	1.4	.9	.3											149	149	126	89		
38/ 37	.9	2.5	1.8	2.5	.9	.1											206	206	128	83		
36/ 35	.8	2.4	2.7	2.3	.4												211	211	187	109		
34/ 33	.7	2.1	2.6	2.3	.5	.0											205	205	204	95		
32/ 31	.4	2.4	2.5	1.3	.4												177	177	219	131		
30/ 29	.6	1.9	2.5	1.5	.1												162	164	204	130		
28/ 27	.4	2.2	2.7	1.3													163	163	193	130		
26/ 25	.2	1.8	2.7	.9													141	141	163	143		
24/ 23	.0	1.4	2.7	.5													115	115	147	149		
22/ 21	.0	1.1	1.9	.2													79	79	149	160		
20/ 19	.1	.9	1.0	.1													51	51	112	132		
18/ 17		.6	1.0	.1													43	43	56	156		
16/ 15		.4	.7														32	32	50	93		
14/ 13	.1	.6	.5														28	28	40	91		
12/ 11	.0	.4	.2														15	15	33	117		
10/ 9		.1	.1														14	14	18	108		
8/ 7		.1	.2														8	8	13	72		
Element (X)	ΣX^2				ΣX				\bar{X}	σ_X	No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

NAVWEASERVCOM

SKY COVER

14721	PATUXENT RIVER, MARYLAND	73-52	1973
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PSYCHROMETRIC SUMMARY

73-02

142

MON 7

PAGE 7

HOUSE 1187

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NAVWEASERVCOM

200
MONTH

2

1018 2077 84321

PSYCHROMETRIC SUMMARY

17721 PATUMENT RIVER, MARYLAND

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS - L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
76/ 77										.1	.0										3	3			
75/ 75										.0											1	1			
74/ 73								.1			.0		.0								4	4			
72/ 71							.1			.0	.0										4	4			
70/ 69					.0		.0	.0		.0	.0										4	4			
68/ 67				.0			.0	.0		.0											4	4			
66/ 65					.2	.0	.1	.1	.1	.1											13	13			
64/ 63				.0	.1	.2	.0	.1	.1	.1	.0										15	15			
62/ 61			.1	.1	.0	.1	.0	.3	.0												16	16	5		
60/ 59		.0	.1	.2	.1	.1	.3	.2	.0	.0											27	27	5	1	
57/ 57		.1	.1	.2	.3	.2	.3	.4	.1												32	32	12	3	
56/ 55		.4	.1	.4	.3	.3	.3	.3													39	39	13	3	
54/ 53	.1	.5	.3	.3	.3	.4	.2	.3													53	53	32	13	
52/ 51	.0	.5	.6	.4	.4	.4	.2														58	58	40	21	
50/ 49	.1	.9	.6	.4	.5	.4	.1														69	69	30	21	
48/ 47		.9	.4	.4	.5	.8	.2														75	75	74	34	
46/ 45	.0	1.2	.7	.7	1.2	.6	.1														101	101	79	51	
44/ 43	.3	1.3	.8	1.1	.8	.4	.0														105	105	84	55	
42/ 41	.3	1.1	1.3	1.2	1.0	.4															118	118	91	54	
40/ 39	.2	2.3	1.4	1.8	.8	.1	.0														150	150	101	60	
38/ 37	.3	2.5	1.6	1.5	.8	.2															154	154	162	73	
36/ 35	.2	2.2	2.7	1.4	1.1	.0															172	172	156	96	
34/ 33	.4	2.4	2.0	2.0	.6																166	166	182	111	
32/ 31	.0	2.0	2.3	1.5	.6																144	145	168	99	
30/ 29	.1	2.5	2.9	1.8	.2																168	168	155	110	
28/ 27	.6	1.6	2.7	1.2	.2																141	141	183	160	
26/ 25	.4	1.9	2.4	1.0																	126	126	149	159	
24/ 23	.0	1.9	1.9	.3																	91	91	150	135	
22/ 21	.0	1.5	1.2	.2																	66	66	126	125	
20/ 19	.1	1.2	1.0	.1																	54	54	93	110	
18/ 17		.4	.6	.0																	24	24	54	123	
16/ 15	.2	.2	.6																		21	21	46	111	
14/ 13	.0	.4	.3																		17	17	13	113	
12/ 11	.3	.1																			9	9	21	109	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

NAVWEASERVCOM

12 Y
MONT

PSYCHROMETRIC SUMMARY

1791	PATUMENT RIVER, MARYLAND
STATION	STATION NAME

73-77

FFA

NOTES

PAGE 2

HOURS 1 L S T

[illegible]

NAVWEASERVCOM

72-42

PERIOD

1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PSYCHROMETRIC SUMMARY

12721 PATUXENT RIVER, MARYLAND

73-82

MAR

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
81									.1	.0							4	4		
79								.1	.0	.0							3	3		
77							.0	.0	.0	.2							5	5		
75						.0	.0	.0	.0	.1							6	6		
73					.0	.0	.0	.1	.0	.1							7	7		
71					.1	.1	.2	.1	.0	.0	.0						14	14		
69					.1	.1	.0	.1	.1	.0							12	12		
67			.0	.1	.1	.3	.3	.0	.1	.0	.0						27	27		
65				.3	.2	.4	.2	.0	.0	.2							31	31	7	
63		.1	.3	.2	.2	.3	.2	.2	.2	.1	.0						46	46	6	
61		.2	.4	.2	.4	.2	.3	.2	.1	.1							51	51	22	3
59		.2	.5	.4	.4	.3	.3	.2	.2	.0							62	62	33	0
57	.1	.3	.6	.8	.3	.5	.6	.2	.1								86	86	49	28
55	.2	.6	.5	.9	.4	.8	.3	.0									113	113	61	30
53	.2	.6	1.1	.7	1.0	.8	.9	.2	.0								141	141	77	38
51	.1	1.3	1.1	.8	1.3	.9	.8	.2									158	158	80	52
49	.4	1.9	1.1	1.0	1.2	1.4	.6	.1									196	196	124	66
47	.7	2.7	1.5	1.3	1.8	1.3	.2										234	234	163	125
45	.4	2.1	1.6	1.2	1.8	.5	.1										190	190	202	130
43	.4	2.0	1.8	1.9	1.9	.6	.0										211	211	215	104
41	.4	1.1	2.1	1.6	1.4	.2											166	166	200	113
39	.6	1.3	1.9	1.3	.9	.2											159	159	232	134
37	.4	1.5	1.4	1.5	.7	.2											139	139	242	143
35	.2	1.6	1.1	1.4	.5												118	118	192	131
33	.2	.7	.9	1.5	.2												91	91	139	154
31	.1	.7	.8	1.1	.2												72	72	111	165
29		.7	1.0	.5													56	56	101	147
27		.7	.6	.3													39	39	89	144
25		.1	.4	.1													13	13	61	161
23		.0	.3														8	8	29	135
21		.1	.1														5	5	17	85
19	.0	.1	.1														6	6	11	84
17	.2		.1														7	7	7	74
15	.1		.1														4	4	7	70
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

73-22

PERIOD

Jul
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2

PSYCHROMETRIC SUMMARY

10721 PATUMENT RIVER, MARYLAND

73-02

YEARS

MAR

MONTH

PAGE 2

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
1																			2	47
2																			1	30
3																				19
4																				15
5																				3
6																				5
7	0.5	1.0	21.4	19.2	15.0	9.3	5.6	2.1	1.2	.8	.2							2480		2480
8																		2480		2480
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
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21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.	1110232		158456		63.9		19.867		2480		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb	5535533		114419		46.1		10.174		2480			63.0	23.4	7.5	2.1		744.0			
Wet Bulb	4314538		101038		40.7		8.940		2480			130.8					744.0			
Dew Point	3181223		82511		33.3		11.642		2480			360.0					744.0			

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SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
PATUXENT RIVER MARYLAND (U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC NOV 83

THE LANCET

F/G 4/2

241

PSYCHROMETRIC SUMMARY

STATION PATUMENT RIVER, MARYLAND YEARS 73-82 APR NORTH
 PAGE 1
 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
80/84												.0	.0					2	2	
86/87												.0	.0					1	1	
86/85										.0	.0	.0	.1		.0			6	6	
84/83									.0	.1	.2	.2	.0					12	12	
82/81								.0	.1	.3	.0	.0	.0					14	14	
80/79						.0	.1	.2	.2	.0	.0	.0	.0					16	16	
78/77						.0	.1	.3	.1	.2	.1							19	19	
76/75					.0	.1	.4	.2	.2	.0	.0		.1					24	24	
74/73					.1	.3	.3	.3	.1	.2								30	30	
72/71				.0	.3	.3	.1	.2	.1	.4	.2							45	45	
70/69			.0	.2	.5	.2	.5	.3	.1	.5	.1							61	61	1
68/67			.4	.7	.5	.4	.3	.3	.3	.4	.1							80	80	12
66/65		.3	.5	.4	.6	.7	.5	.5	.6	.3								105	105	41
64/63		.5	.4	.9	.8	.6	.6	.6	.6	.0								118	118	72 18
62/61		.5	.7	1.0	1.1	.6	.6	.6	.3	.0								135	135	77 31
60/59	.3	1.2	1.4	.8	1.0	.9	1.3	.6	.3									184	184	73 47
58/57	.1	.9	1.5	.8	1.5	1.3	1.3	.6	.0									188	188	128 67
56/55	.3	1.0	1.9	1.0	.7	2.0	1.1	.3	.0									202	202	154 99
54/53	.2	1.0	2.2	1.6	1.3	1.7	.7	.3										212	212	167 107
52/51	.1	1.2	2.2	1.3	2.1	1.3	.7	.1										213	213	180 126
50/49	.1	.8	1.5	1.8	2.7	1.0	.2	.1										182	182	222 133
48/47	.1	.9	1.4	1.8	1.5	.7	.2											159	159	229 138
46/45		.7	1.8	1.5	1.0	.4	.2											132	132	228 128
44/43	.7	.7	1.3	.6	.6	.4	.0											88	88	221 138
42/41	.2	.2	1.1	.6	.4	.2												64	64	209 129
40/39		.3	.6	.7	.7	.0												42	42	144 150
38/37	.0	.1	.3	.4	.2	.0												23	23	84 146
36/35		.2	.4	.3	.3													26	26	60 171
34/33		.0	.1	.1	.1													9	9	42 195
32/31				.1	.1													4	4	26 148
30/29			.0															1	1	14 105
28/27			.1															2	2	0 95
26/25																				4 63
24/23																			2	43
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

PATUXENT RIVER, MARYLAND
STATION NAME

YEARS

MONTH

HOURS 1 5 7

NAVWEASERVCOM

2

SKY COVER

13721 PATUXENT RIVER, MARYLAND

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	22.3			27.4						22.6	27.7	5.6	310
	04	20.6			33.5						21.0	24.8	5.4	310
	07	15.8			29.7						25.5	29.0	6.1	310
	10	16.1			27.1						32.3	24.5	6.2	310
	13	14.2			27.4						35.8	22.6	6.3	310
	16	14.8			30.6						28.1	26.5	6.1	310
	19	14.5			27.1						26.8	31.6	6.4	310
	22	19.7			29.4						19.4	31.6	5.8	310
TOTALS		17.3			29.0						26.4	27.3	6.0	2480

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PSYCHROMETRIC SUMMARY

STATION PATUXENT RIVER, MARYLAND

73-82

MAY

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
89																						2	2		
87																						1	1		
85																						9	9		
83																						19	19		
81																						34	34		
79																						64	64		
77																						75	75		
75																						78	78		
73																						137	137	20	4
71																						164	164	44	11
69																						186	186	99	36
67																						201	201	177	86
65																						247	247	207	139
63																						228	228	213	160
61																						224	224	262	219
59																						183	183	221	219
57																						169	169	226	215
55																						127	127	220	179
53																						122	122	196	148
51																						98	98	155	139
49																						63	63	156	158
47																						30	30	114	139
45																						21	21	71	146
43																						3	3	41	104
41																						5	5	29	96
39																									
37																									
35																									
33																									
31																									
29																									
27																									
25																									
23																									
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	29.0			25.7						13.3	32.0	5.2	300
	04	30.3			26.3						16.3	27.0	5.0	300
	07	19.3			29.7						23.0	28.0	5.8	300
	10	20.7			25.7						24.0	29.7	5.9	300
	13	14.0			27.7						28.0	30.3	6.4	300
	16	16.7			28.0						25.7	29.7	6.1	300
	19	18.7			28.0						23.3	30.0	5.9	300
	22	25.0			23.7						19.7	31.7	5.6	300
TOTALS		21.7			26.9						21.7	29.8	5.7	2400

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2

HOURS (L S Y)

NAVWEASERVCOM

73-82

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	40.0			20.3						11.6	28.1	4.5	310
	04	39.7			16.1						13.5	30.6	4.8	310
	07	20.3			29.7						19.7	30.3	5.7	310
	10	21.9			29.0						20.3	28.7	5.6	310
	13	19.4			22.6						27.7	30.3	6.2	310
	16	23.9			23.5						24.5	28.1	5.7	310
	19	28.4			24.2						18.4	29.0	5.3	310
	22	35.8			20.0						15.2	29.0	4.9	310
TOTALS		28.7			23.2						18.9	29.3	5.3	2480

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PSYCHROMETRIC SUMMARY

STATION PATENT RIVER, MARYLAND

73-74

YEARS

JUL

MONTH

PAGE 1

HOURS - L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67-73										.0								1		1															
67-72										.2								6		6															
67-71									.1	.1								2		2															
67-80							.1	.4										14		14															
67-87					.1	.1	.3	.5	.7	.0								27		27															
67-89				.7	.2	.3	.7	.5	.2	.1								48		48															
47-90		.1		.1	.4	.7	1.0	.5	.3	.1	.7							76		76															
67-91			.7	.5	1.2	1.5	1.3	.4	.3	.3	.1							141		141		1													
67-75			.3	1.4	1.6	1.7	1.1	.7	.3	.2								179		179		5		1											
70-77		.9	1.2	2.2	2.3	1.7	.9	.5	.2	.7								212		212		31		2											
67-75	.1	.5	1.5	3.2	1.6	.7	1.1	.7	.7	.2								249		249		75		23											
67-73	.2	1.5	2.8	2.4	1.4	.7	1.6	.7	.2	.0								262		262		189		54											
67-71	.2	1.5	2.4	2.2	1.1	.9	1.7	.4	.2	.1								250		260		296		145											
67-69	.3	2.0	2.4	2.1	1.2	.3	.2	.4	.1									237		237		332		274											
67-67	.3	1.3	2.5	1.3	1.4	.9	.3	.1	.0									198		198		274		305											
67-65	.4	1.3	1.9	1.2	1.2	.4	.2	.1										151		161		240		240											
67-60	.7	.6	1.6	1.4	.8	.7	.5	.1										117		117		240		219											
67-61	.2	.7	.9	.9	.5	.2	.0											80		80		205		209											
67-59	.7	.5	.9	.5	.4	.1												56		56		180		168											
67-57	.9	.2	.5	.5	.0	.1	.0											36		36		133		151											
67-55		.2	.4	.2	.3													26		26		94		137											
67-53			.1	.1		.7												5		5		48		137											
67-51		.0																1		1		35		101											
67-47																																			
67-45																																			
47-43																																			
67-41																																			
67-37																																			
67-35																																			
67-33																																			
TOTAL	7.7	11.6	10.5	20.3	15.7	10.6	9.3	6.1	3.0	1.6	.7							2400		2400		2400		2400											
Element (X)	Σx^2			Σx			\bar{x}			σ_x			No. Obs.			Mean No. of Hours with Temperature										Total									
Rel. Hum.	12458090			168796			70.7			15.634			2400			≤ 0 F ≤ 32 F ≤ 67 F ≤ 73 F ≤ 80 F ≤ 93 F											720.0								
Dry Bulb	1254764			174188			72.6			7.14			2400			575.4 366.0 119.4 2.1											720.0								
Wet Bulb	1422389			157300			65.8			6.14			2400			361.8 91.7 1.2											720.0								
Dew Point	1257511			147803			61.6			7.74			2400			235.8 47.7 .3											720.0								

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NOV
1964

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	37.3			19.7						11.3	31.7	4.8	300
	04	35.7			20.7						12.3	31.3	4.9	300
	07	18.7			29.0						19.7	32.7	5.9	300
	10	19.0			28.3						20.0	32.7	5.9	300
	13	13.7			25.0						27.0	34.3	6.6	300
	16	15.3			23.3						27.3	34.0	6.6	300
	19	29.7			20.0						17.3	33.0	5.5	300
	22	31.3			17.7	-					17.3	33.7	5.5	300

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2

73-92

JUL

PAGE 1

HOURS 1 L 5 Y

PAGE 1

HOURS (L S Y)

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SKY COVER

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
PERIODALL
MONTHSPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	24.1			18.6						14.3	43.1	6.1	2478
FEB		26.4			20.3						15.6	37.8	5.8	2256
MAR		22.9			17.0						14.9	45.2	6.4	2480
APR		26.2			21.0						18.8	34.1	5.7	2400
MAY		19.6			20.6						21.4	38.4	6.4	2480
JUN		18.1			24.3						24.2	33.4	6.2	2400
JUL		17.4			27.5						26.1	29.1	6.1	2480
AUG		17.3			29.0						26.4	27.3	6.0	2480
SEP		21.7			26.9						21.7	29.8	5.7	2400
OCT		28.7			23.2						18.9	29.3	5.3	2480
NOV		25.1			23.0						19.0	32.9	5.7	2400
DEC		22.8			21.6						17.7	37.9	6.0	2478
TOTALS		22.5			22.8						19.9	34.9	6.0	29212

PSYCHROMETRIC SUMMARY

STATION PATUMENT RIVER, MARYLAND

73-00

SEP

STATION

STATION NAME

YEARS

NORTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98 / 98									.0										1	1				
94 / 93							.0			.0									2	2				
92 / 91								.0			.0								2	2				
89 / 89							.1	.2	.0	.1		.0							10	10				
87 / 87						.1	.3	.2	.3	.0									23	23				
85 / 85			.0		.3	.3	.2	.3	.1	.1									34	34				
83 / 83			.1	.2	.6	.4	.5	.3	.3										54	54				
81 / 81			.1	.6	1.2	.6	.5	.6	.3	.0									95	95	3			
79 / 79		.0	.6	1.3	1.2	1.8	.3	.3	.1	.0									133	133	5			
77 / 77	.2	.5	1.0	1.0	1.5	.9	.6	.4	.2										151	151	40			
75 / 75	.3	.8	1.6	1.3	1.3	.8	1.3	.4	.1	.1									192	192	86			
74 / 73	.7	1.6	1.6	2.3	1.1	.6	.9	.1	.0	.0									219	219	161			
72 / 71	1.0	2.5	2.7	2.5	1.2	.8	.9	.2	.0	.1									262	262	236			
70 / 69	1.4	1.7	2.6	1.8	1.2	1.1	.3	.3	.2										251	252	259			
68 / 67	.6	1.5	3.7	2.0	.8	1.0	.3	.3	.0										242	243	254			
66 / 65	.8	2.3	3.4	2.3	.8	.3	.2	.1											245	245	253			
64 / 63	.4	1.5	1.9	1.4	.8	.4	.3	.0											159	159	277			
62 / 61	.5	1.2	1.5	.8	.4	.3	.0												113	113	234			
60 / 59	.1	.5	.9	1.0	.2	.3													71	71	187			
58 / 57	.1	.5	.7	.5	.4	.3													57	57	146			
56 / 55		.3	.5	.4	.2	.0													35	35	82			
54 / 53		.1	.2	.1	.3														16	16	76			
52 / 51			.1	.1	.0														6	6	44			
50 / 49			.0	.1	.0														5	5	30			
48 / 47																					13			
46 / 45																					8			
44 / 43																					4			
42 / 41																								
40 / 39																								
38 / 37																								
36 / 35																								
34 / 33																								
32 / 31																								
30 / 29																								
28 / 27																								
26 / 25																								
24 / 23																								
22 / 21																								
20 / 19																								
18 / 17																								
16 / 15																								
14 / 13																								
12 / 11																								
10 / 9																								
8 / 7																								
6 / 5																								
4 / 3																								
2 / 1																								
0 / 0																								
Sum																			2398		2398			
Element (X)	ΣX ²		ΣX		X̄		σ _X		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	1729461		178245		74.3		15.563		2399		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb	12069917		169445		70.6		7.268		2400						507.9		274.8		84.9		.9		720.0	
Wet Bulb	1209736		155672		64.9		6.584		2398						313.5		88.6		1.5				720.0	
Dew Point	9194175		147209		61.4		8.100		2398						206.3		60.4		.6				720.0	

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Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

0210 20127 54321

357

MD 48

HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

PATUXENT RIVER, MARYLAND
STATION NAME

73-22

CCY

PAGE 2

HOURS (15 Y)

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NAVWEASERVCOM

YEARS

73-22

NOV

PAGE 1

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

PATuxENT DIVER, MARYLAND
STATION NAME

73-02

YEARS

NOV
1967

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NAVWEASERVCOM

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PSYCHROMETRIC SUMMARY

1721	PATUXENT RIVER, MARYLAND	73-82	DEC
<small>STATION</small>	<small>STATION NAME</small>	<small>YEARS</small>	<small>MONTH</small>
			PAGE 1
			<small>HOURS (L & T)</small>
Temp.	WET BULB TEMPERATURE DEPRESSION (F)	TOTAL	TOTAL

PSYCHROMETRIC SUMMARY

1721	PATUMENT RIVER, MARYLAND
STATION	STATION NAME

73-22

YEARS

DEC
MONT

PAGE 2

HOURS 11.57

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NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1946-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	38.1	3.4	45.0	7.2	67	19.4	1966	31.1	-0.5	16	-8.9	1977
2	36.9	2.7	43.8	6.6	62	16.7	1979*	30.1	-1.1	14	-10.0	1968
3	38.0	3.3	45.4	7.4	66	18.9	1951	30.6	-0.8	12	-11.1	1979
4	37.5	3.1	44.7	7.1	72	22.2	1950	30.3	-0.9	12	-11.1	1981
5	36.1	2.3	43.2	6.2	74	23.3	1950	28.9	-1.7	10	-12.2	1969
6	37.6	3.1	44.8	7.1	71	21.7	1950	30.4	-0.9	11	-11.7	1959
7	37.8	3.2	44.9	7.2	66	18.9	1950*	30.7	-0.7	15	-9.4	1977*
8	34.9	1.6	41.4	5.2	64	17.8	1965	28.5	-1.9	5	-15.0	1970
9	35.4	1.9	42.6	5.9	67	19.4	1969	28.1	-2.2	5	-15.0	1970
10	35.1	1.7	42.2	5.7	70	21.1	1950	28.0	-2.2	4	-15.6	1970
11	34.6	1.4	41.2	5.1	68	20.0	1975	28.1	-2.2	6	-14.4	1982
12	33.5	.8	40.5	4.7	60	15.6	1963	26.4	-3.1	9	-12.8	1968
13	34.6	1.4	41.5	5.3	66	18.9	1972	27.7	-2.4	7	-13.9	1981
14	36.3	2.4	43.5	6.4	70	21.1	1950	29.1	-1.6	14	-10.0	1964
15	36.2	2.3	43.4	6.3	74	23.3	1952	29.1	-1.6	10	-12.2	1982
16	34.6	1.4	42.3	5.7	72	22.2	1953	26.8	-2.9	2	-16.7	1977
17	34.0	1.1	40.5	4.7	64	17.8	1949	27.5	-2.5	11	-11.7	1972
18	34.6	1.4	42.2	5.7	64	17.8	1951*	27.0	-2.8	7	-13.9	1982
19	35.6	2.0	42.9	6.1	69	20.6	1951	28.2	-2.1	6	-14.4	1977
20	36.4	2.4	43.5	6.4	71	21.7	1951	29.2	-1.6	10	-12.2	1967
21	37.0	2.8	45.1	7.3	69	20.6	1959	28.9	-1.7	6	-14.4	1970
22	37.0	2.8	44.7	7.1	65	18.3	1959	29.2	-1.6	10	-12.2	1970
23	37.3	2.9	45.4	7.4	75	23.9	1974	29.2	-1.6	15	-9.4	1977
24	36.6	2.6	44.2	6.8	72	22.2	1950	29.1	-1.6	9	-12.8	1963
25	38.6	3.7	46.4	8.0	77	25.0	1950	30.8	-0.7	12	-11.1	1961
26	39.7	4.3	48.0	8.9	78	25.6	1950	31.5	-0.3	13	-10.6	1982
27	38.1	3.4	46.3	7.9	75	23.9	1974	29.9	-1.2	12	-11.1	1982*
28	36.0	2.2	43.9	6.6	72	22.2	1949	28.2	-2.1	12	-11.1	1977*
29	35.8	2.1	43.9	6.6	74	23.3	1975	27.7	-2.4	4	-15.6	1977
30	36.1	2.3	43.7	6.5	72	22.2	1947	28.4	-2.0	10	-12.2	1977
31	34.1	1.2	41.2	5.1	70	21.1	1947	26.9	-2.8	10	-12.2	1948
Monthly	36.3	2.4	43.6	6.4	78	25.6	1950	28.9	-1.7	2	-16.7	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

PSYCHROMETRIC SUMMARY

17721	PATIENT RIVER, MARYLAND
STATION	STATION NAME

73-42

YEARS

ALL

MONTH

PAGE 1

HOURS 11.57

VWVWEASERVCOM

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION PATUXENT RIVER, MARYLAND
STATION NAME

1946-1982
YEARS

FEBRUARY
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	35.5	1.9	43.0	6.1	62	16.7	1982	28.0	-2.2	9	-12.8	1965
2	35.4	1.9	42.1	5.6	70	21.1	1967	28.6	-1.9	9	-12.8	1971
3	33.4	.8	40.6	4.8	58	14.4	1982	26.2	-3.2	12	-11.1	1965
4	34.3	1.3	42.2	5.7	62	16.7	1976	26.4	-3.1	12	-11.1	1981*
5	34.4	1.3	41.7	5.4	62	16.7	1964	27.2	-2.7	8	-13.3	1947
6	36.9	2.7	44.9	7.2	60	15.6	1960	29.0	-1.7	11	-11.7	1977
7	36.3	2.4	43.4	6.3	58	14.4	1965*	29.1	-1.6	11	-11.7	1977
8	34.6	1.4	41.9	5.5	66	18.9	1965	27.3	-2.6	11	-11.7	1977
9	35.1	1.7	42.4	5.8	66	18.9	1949	27.8	-2.3	14	-10.0	1977*
10	36.2	2.3	44.3	6.8	70	21.1	1959	28.1	-2.2	9	-12.8	1979
11	36.7	2.6	45.2	7.3	66	18.9	1977*	28.2	-2.1	7	-13.9	1979
12	34.9	1.6	42.4	5.8	65	18.3	1965	27.4	-2.6	9	-12.8	1979
13	37.1	2.8	44.9	7.2	71	21.7	1949	29.4	-1.4	11	-11.7	1979
14	38.2	3.4	47.7	8.7	68	20.0	1946	28.7	-1.8	10	-12.2	1979
15	39.2	4.0	46.9	8.3	76	24.4	1954	31.5	-.3	18	-7.8	1969*
16	38.7	3.7	46.6	8.1	76	24.4	1976*	30.8	-.7	13	-10.6	1963
17	37.8	3.2	44.9	7.2	80	26.7	1976	30.8	-.7	7	-13.9	1958
18	38.1	3.4	46.2	7.9	77	25.0	1976	30.0	-1.1	6	-14.4	1979
19	39.6	4.2	47.6	8.7	72	22.2	1961	31.5	-.3	14	-10.0	1979
20	37.9	3.3	45.6	7.6	68	20.0	1971	30.2	-1.0	6	-14.4	1979
21	37.9	3.3	45.8	7.7	67	19.4	1953	30.0	-1.1	10	-12.2	1968
22	39.5	4.2	47.7	8.7	70	21.1	1974	31.3	-.4	10	-12.2	1963
23	39.4	4.1	47.4	8.6	73	22.8	1977	31.4	-.3	15	-9.4	1963
24	40.2	4.6	48.5	9.2	65	18.3	1975	31.9	-.1	18	-7.8	1947
25	41.3	5.2	49.5	9.7	74	23.3	1977	33.1	.6	12	-11.1	1967
26	40.8	4.9	48.6	9.2	72	22.2	1946	33.0	.6	10	-12.2	1970
27	40.9	4.9	49.3	9.6	74	23.3	1977*	32.5	.3	14	-10.0	1963
28	42.4	5.8	51.6	10.9	78	25.6	1948	33.1	.6	21	-6.1	1950
29	41.1	5.1	49.6	9.8	77	25.0	1976*	32.7	.4	19	-7.2	1980
30												
31												
Monthly	37.6	3.1	45.5	7.5	80	26.7	1976	29.8	-1.2	6	-14.4	1979

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

PSYCHROMETRIC SUMMARY

STATION PATENT RIVER, MARYLAND STATION NAME YEARS MONTH

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HOURS 1157

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
34/33	.1	.5	.9	.7	.2	.0												631	581	939	1017																
32/31	.1	.5	.6	.5	.1													551	552	824	933																
30/29	.1	.5	.7	.4	.0													509	511	704	807																
28/27	.1	.4	.6	.3	.0													427	427	623	841																
26/25	.1	.4	.6	.2														343	343	494	827																
24/23	.0	.3	.5	.1														256	256	428	747																
22/21	.0	.3	.3	.0														184	184	353	653																
20/19	.0	.2	.2	.0														128	128	255	504																
18/17	.0	.1	.2	.0														81	81	143	490																
16/15	.0	.1	.1															65	65	113	384																
14/13	.0	.1	.1															47	47	61	362																
12/11	.0	.1	.0															25	25	54	333																
10/9		.1	.0															21	21	29	260																
8/7		.0	.0															11	11	21	185																
6/5		.0	.0															9	9	11	135																
4/3	.0	.0	.0															2	2	12	93																
2/1		.0																2	2	1	77																
0/-1	.0																	2	2	4	33																
-2/-3	.0																	2	2	2	42																
-4/-5																					24																
-6/-7																					22																
-8/-9																					14																
-10/-11																					6																
-12/-13																					6																
-14/-15																					6																
-16/-17																					4																
-18/-19																					6																
-20/-21																					2																
-22/-27																					1																
TAL	4.3	10.8	23.5	19.7	13.4	9.7	5.7	3.2	1.7	.8	.2	.1	.0		.0						29210													29203			
																		29203			29203																
Element (X)	ΣX^2			ΣX			\bar{X}	σ_X	No. Obs.			Mean No. of Hours with Temperature										Total															
Rel. Hum.	145272581			1998867			68.4	17.994	29203			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																			
Dry Bulb	183998076			1667666			57.1	17.335	29203			1.2	798.9	3111.0	2007.2	759.4	16.2	8760.0																			
Wet Bulb	27160703			1504991			51.5	16.132	29203			1.8	1239.7	2006.0	793.7	25.5		8760.0																			
Dew Point	71796978			1340378			45.9	18.753	29203			49.1	2336.5	1448.8	530.9	4.8		8760.0																			

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 PATUXENT RIVER, MARYLAND

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	32.3	33.8	43.0	51.5	60.0	68.1	72.9	72.7	67.2	55.0	47.5	39.0	53.7	
	S. D.	10.161	10.341	9.199	8.071	6.898	5.665	4.428	4.615	5.850	8.138	9.151	9.758	16.171	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
04	MEAN	31.5	32.8	41.6	49.9	58.7	66.8	71.7	71.6	66.0	54.0	46.4	38.2	52.5	
	S. D.	10.307	10.731	9.215	8.070	6.936	5.685	4.505	4.489	5.971	8.161	9.141	9.834	16.120	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
07	MEAN	31.0	31.8	41.6	52.0	61.5	70.2	74.3	73.5	67.0	54.0	45.7	37.5	53.4	
	S. D.	10.648	10.771	9.222	7.831	6.657	5.078	4.179	4.271	5.792	8.101	9.359	10.252	17.211	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	35.4	38.3	48.4	58.9	67.2	75.5	80.2	79.8	73.6	61.5	52.7	42.6	59.6	
	S. D.	10.137	11.204	10.051	9.434	7.781	5.981	5.146	5.276	6.540	7.858	9.141	9.425	17.507	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	38.7	41.9	51.5	61.7	70.1	78.3	83.1	82.9	76.7	64.9	56.3	45.9	62.8	
	S. D.	10.369	11.697	10.502	9.623	7.992	6.311	5.513	5.837	6.782	8.452	9.922	9.877	17.552	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	38.5	41.8	51.4	61.5	69.7	78.0	83.0	82.3	75.8	63.7	54.8	44.7	62.2	
	S. D.	10.258	11.354	9.586	9.356	7.920	6.384	5.350	5.464	6.341	8.052	9.336	9.178	17.394	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	34.5	36.9	46.8	56.4	65.3	74.0	78.8	77.2	70.3	57.9	49.7	40.6	57.5	
	S. D.	10.027	10.131	8.670	8.334	6.972	5.618	4.648	4.899	5.825	7.699	8.822	9.103	17.012	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650	
22	MEAN	33.2	35.2	44.7	53.4	61.9	69.8	74.6	74.2	68.3	56.1	48.5	39.5	55.1	
	S. D.	10.003	10.379	9.030	8.224	7.014	5.628	4.434	4.635	5.724	7.981	9.327	9.381	16.319	
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650	
ALL HOURS	MEAN	34.4	36.6	46.1	55.7	64.3	72.6	77.3	76.8	70.6	58.4	50.2	41.0	57.1	
	S. D.	10.600	11.419	10.174	9.666	8.369	7.146	6.394	6.470	7.269	9.046	9.969	10.017	17.337	
	TOTAL OBS	2478	2256	2480	2399	2480	2400	2479	2480	2400	2480	2400	2478	29210	

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	51.0	10.6	60.1	15.6	86	30.0	1978	41.9	5.5	28	-2.2	1969
2	54.5	12.5	64.4	18.0	84	28.9	1969	44.5	6.9	32	.0	1964
3	53.6	12.0	63.2	17.3	90	32.2	1967	44.1	6.7	31	-.6	1961
4	52.2	11.2	60.7	15.9	84	28.9	1956	43.7	6.5	29	-1.7	1954
5	52.1	11.2	61.3	16.3	78	25.6	1969	42.8	6.0	31	-.6	1975
6	51.4	10.8	59.5	15.3	84	28.9	1947	43.2	6.2	29	-1.7	1982
7	50.7	10.4	59.6	15.3	78	25.6	1947	41.8	5.4	27	-2.8	1982
8	52.2	11.2	60.9	16.1	86	30.0	1954	43.4	6.3	30	-1.1	1982*
9	51.5	10.8	60.2	15.7	87	30.6	1959	42.8	6.0	31	-.6	1982*
10	51.7	10.9	60.1	15.6	81	27.2	1969*	43.3	6.3	34	1.1	1977
11	53.0	11.7	62.1	16.7	83	28.3	1978	43.9	6.6	33	.6	1960
12	53.9	12.2	62.6	17.0	85	29.4	1965	45.3	7.4	32	.0	1982
13	52.9	11.6	61.2	16.2	83	28.3	1977	44.6	7.0	31	-.6	1950
14	54.9	12.7	63.5	17.5	87	30.6	1960	46.3	7.9	26	-3.3	1950
15	55.3	12.9	64.0	17.8	88	31.1	1967	46.6	8.1	32	.0	1950
16	54.8	12.7	63.8	17.7	84	28.9	1976	45.8	7.7	35	1.7	1950
17	56.0	13.3	64.9	18.3	87	30.6	1976	47.2	8.4	31	-.6	1980
18	58.0	14.4	68.0	20.0	90	32.2	1964	48.0	8.9	34	1.1	1951
19	58.8	14.9	68.1	20.1	86	30.0	1972	49.6	9.8	36	2.2	1956
20	57.4	14.1	66.2	19.0	84	28.9	1952	48.6	9.2	32	.0	1953
21	57.3	14.1	66.7	19.3	84	28.9	1957	48.0	8.9	34	1.1	1956
22	58.9	14.9	67.6	19.8	89	31.7	1973	50.1	10.1	36	2.2	1953
23	60.2	15.7	69.1	20.6	87	30.6	1952	51.4	10.8	40	4.4	1978*
24	59.4	15.2	68.3	20.2	84	28.9	1960*	50.6	10.3	37	2.8	1956
25	59.0	15.0	67.2	19.6	91	32.8	1960	50.8	10.4	37	2.8	1956
26	58.6	14.8	66.7	19.3	84	28.9	1951	50.5	10.3	41	5.0	1978
27	57.3	14.1	64.7	18.2	91	32.8	1969	50.0	10.0	40	4.4	1978
28	56.9	13.8	64.6	18.1	85	29.4	1956	49.2	9.6	38	3.3	1946
29	57.9	14.4	65.8	18.8	91	32.8	1974	50.0	10.0	38	3.3	1982
30	58.9	14.9	67.2	19.6	85	29.4	1974	50.7	10.4	42	5.6	1961
31												
Monthly	55.4	13.0	64.1	17.8	91	32.8	1974*	46.6	8.1	26	-3.3	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 PATUXENT RIVER, MARYLAND

73-82

STATION	STATION NAME	YEARS												
HRS.(L.S.T.)														
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN S. D. TOTAL OBS	29.6 10.072 309	30.6 9.720 282	38.8 8.689 310	46.2 7.781 300	55.9 7.060 310	63.9 6.125 300	68.8 4.716 310	69.1 4.901 310	63.5 6.450 299	51.4 8.494 310	43.7 9.399 300	35.6 9.761 310	49.9 15.983 3650
04	MEAN S. D. TOTAL OBS	28.9 10.277 308	29.9 10.122 282	38.0 8.959 310	45.3 7.968 300	55.1 7.478 310	63.1 6.103 300	68.1 4.898 310	68.5 4.906 310	62.8 6.656 299	50.8 8.640 310	43.0 9.489 300	35.0 9.824 310	49.1 16.070 3649
07	MEAN S. D. TOTAL OBS	28.5 10.584 309	29.2 10.313 282	38.1 9.085 310	47.0 7.858 300	57.2 7.295 310	65.3 5.705 300	69.8 4.715 310	69.8 4.886 310	63.8 6.527 300	50.9 8.541 310	42.6 9.635 300	34.4 10.173 310	49.8 16.836 3651
10	MEAN S. D. TOTAL OBS	31.7 9.938 310	33.5 10.251 282	42.2 9.152 310	49.9 8.219 300	59.5 7.369 310	67.2 5.720 300	71.8 4.789 310	72.1 5.008 310	66.3 6.425 300	54.8 8.202 310	46.8 9.266 300	38.0 9.401 309	52.9 16.154 3651
13	MEAN S. D. TOTAL OBS	33.6 9.567 310	35.5 9.806 281	43.8 8.783 310	51.2 7.994 300	60.8 7.171 310	68.0 5.852 300	72.7 4.922 310	72.8 5.097 310	67.3 6.371 300	56.1 8.136 310	48.5 9.344 299	39.8 9.238 310	54.3 15.715 3650
16	MEAN S. D. TOTAL OBS	33.5 9.539 310	35.5 9.555 282	43.7 8.059 310	51.1 7.630 300	60.6 7.099 310	67.9 5.862 300	72.5 4.928 310	72.5 4.923 310	66.9 6.188 300	55.7 7.999 310	47.7 9.076 300	38.9 8.736 310	54.0 15.614 3652
19	MEAN S. D. TOTAL OBS	31.0 9.821 310	32.8 9.327 282	41.2 8.048 310	48.7 7.524 300	58.6 6.954 310	66.2 5.812 300	70.9 4.651 309	70.7 5.010 310	64.7 6.295 300	52.9 8.217 310	44.9 9.177 300	36.6 9.114 309	51.7 15.915 3650
22	MEAN S. D. TOTAL OBS	30.1 9.842 310	31.6 9.467 282	40.1 8.533 310	47.3 7.679 299	57.2 7.067 310	64.6 6.024 300	69.6 4.738 310	69.7 4.931 310	64.0 6.324 300	51.9 8.353 310	44.1 9.515 300	33.9 9.331 309	50.6 15.901 3650
ALL HOURS	MEAN S. D. TOTAL OBS	30.9 10.109 2476	32.3 10.071 2255	40.7 8.940 2480	48.3 8.101 2399	58.1 7.437 2480	65.8 6.141 2400	70.5 5.051 2479	70.7 5.181 2480	64.9 6.584 2398	53.1 8.563 2480	45.2 9.580 2399	36.8 9.616 2477	51.5 16.133 29203



2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

MAY

JAN
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.7	99.0	87.4	69.9	50.2	31.4	12.3	70.7	309
	04	100.0	99.7	99.7	98.7	88.6	72.1	52.6	37.3	15.3	72.2	308
	07	100.0	100.0	99.7	98.4	89.3	71.8	53.4	37.2	17.2	72.6	309
	10	100.0	100.0	99.4	94.8	71.6	49.7	37.1	26.8	10.6	64.8	310
	13	100.0	100.0	97.1	80.0	59.0	37.1	28.7	16.8	7.7	58.3	310
	16	100.0	100.0	95.5	78.7	57.7	41.3	31.0	19.7	6.1	58.6	310
	19	100.0	100.0	99.4	95.5	78.7	57.7	42.6	25.5	9.0	66.5	310
	22	100.0	100.0	99.4	96.8	85.2	64.5	46.5	28.4	11.3	69.0	310
TOTALS		100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476

RELATIVE HUMIDITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
PERIODFEB
MONTHCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	96.8	84.8	68.4	51.4	29.1	8.2	69.2	282
	04	100.0	100.0	100.0	97.9	88.3	70.9	54.3	33.0	8.2	70.6	282
	07	100.0	100.0	99.6	98.6	92.2	74.8	53.9	36.5	8.5	71.8	282
	10	100.0	100.0	98.2	85.8	64.5	41.1	29.8	20.2	6.7	60.0	282
	13	100.0	98.6	89.0	65.5	45.9	32.0	21.4	16.0	4.6	53.3	281
	16	100.0	99.3	91.1	69.5	48.9	32.6	23.8	18.1	5.7	54.4	282
	19	100.0	100.0	98.2	90.8	73.0	52.5	37.6	21.6	7.1	63.6	282
	22	100.0	100.0	100.0	93.6	80.1	63.5	43.6	26.2	6.0	66.8	282
TOTALS		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	69.5	20.8	77.5	25.3	90	32.2	1951		61.5	16.4	45	7.2	1967	
2	70.1	21.2	78.2	25.7	94	34.4	1951		62.0	16.7	48	8.9	1953	
3	68.9	20.5	76.4	24.7	89	31.7	1980		61.4	16.3	52	11.1	1967*	
4	68.6	20.3	76.4	24.7	91	32.2	1981		60.7	15.9	53	11.7	1976	
5	69.6	20.9	77.9	25.5	89	31.7	1953		61.4	16.3	50	10.0	1945	
6	71.0	21.7	79.4	26.3	92	33.3	1952		62.6	17.0	51	10.6	1945	
7	71.7	22.1	79.8	26.6	94	34.4	1980		63.5	17.5	54	12.2	1945	
8	71.4	21.9	79.7	26.5	92	33.3	1965		63.2	17.3	51	10.6	1977	
9	72.1	22.3	80.2	26.8	95	35.0	1952		64.1	17.8	53	11.7	1980	
10	72.5	22.5	80.9	27.2	101	38.3	1964		64.1	17.8	54	12.2	1972	
11	72.4	22.4	80.6	27.0	91	32.8	1958		64.2	17.9	50	10.0	1972	
12	72.9	22.7	81.1	27.3	90	32.2	1970*		64.7	18.2	53	11.7	1979	
13	72.8	22.7	80.4	26.9	93	33.9	1956		65.1	18.4	53	11.7	1980	
14	72.3	22.4	80.1	26.7	93	33.9	1964		64.5	18.1	52	11.1	1979	
15	72.8	22.7	80.9	27.2	99	37.2	1964		64.8	18.2	55	12.8	1978	
16	72.6	22.6	80.5	26.9	95	35.0	1981		64.8	18.2	54	12.2	1965	
17	71.8	22.1	79.2	26.2	94	34.4	1952		64.4	18.0	53	11.7	1959	
18	72.3	22.4	80.0	26.7	95	35.0	1957		64.7	18.2	55	12.8	1985	
19	73.3	22.9	81.3	27.4	96	35.6	1982		65.2	18.4	56	13.3	1980*	
20	73.5	23.1	80.9	27.2	97	36.1	1964		66.1	18.9	56	13.3	1979	
21	74.1	23.4	81.7	27.6	90	32.2	1960*		66.4	19.1	56	13.3	1979	
22	74.5	23.6	82.2	27.9	95	35.0	1981		66.9	19.4	56	13.3	1963	
23	75.0	23.9	82.8	28.2	93	33.9	1969		67.1	19.5	56	13.3	1967	
24	75.9	24.4	84.3	29.1	95	35.0	1950*		67.5	19.7	55	12.8	1972	
25	76.5	24.7	84.7	29.3	95	35.0	1981*		68.4	20.2	57	13.9	1979	
26	76.1	24.5	83.9	28.8	99	37.2	1982		68.2	20.1	53	11.7	1979	
27	76.2	24.6	84.6	29.2	97	36.1	1982		67.9	19.9	53	11.7	1979	
28	76.2	24.6	84.1	28.9	98	36.7	1969		68.3	20.2	58	14.4	1970*	
29	77.1	25.1	85.4	29.7	99	37.2	1959		68.7	20.4	58	14.4	1974	
30	77.8	25.4	86.1	30.1	97	36.1	1945		69.8	20.8	62	16.7	1981*	
31														
Monthly	73.0	22.8	81.0	27.2	101	38.3	1964		65.1	18.4	45	7.2	1967	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	99.7	96.1	83.2	64.5	50.0	27.4	12.9	69.1	310
	04	100.0	100.0	100.0	98.1	86.8	67.4	53.5	33.5	13.5	71.2	310
	07	100.0	100.0	100.0	97.4	89.0	69.4	52.6	37.7	13.5	72.2	310
	10	100.0	100.0	97.4	85.5	56.8	43.5	29.7	21.3	8.1	60.1	310
	13	100.0	99.4	90.0	71.0	48.7	33.2	25.5	17.1	6.5	54.6	310
	16	100.0	99.0	89.7	69.7	49.0	36.1	26.5	16.5	6.1	54.7	310
	19	100.0	99.7	98.1	85.8	67.7	51.0	34.5	21.9	7.4	62.2	310
	22	100.0	100.0	99.7	93.5	75.5	61.0	45.8	28.1	11.0	67.0	310
TOTALS		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	78.1	25.6	85.8	29.9	96	35.6	1953	70.4	21.3	62	16.7	1972*
2	77.4	25.2	85.8	29.9	100	37.8	1953	69.1	20.6	55	12.8	1952
3	78.0	25.6	86.2	30.1	100	37.8	1954	69.7	20.9	62	16.7	1978*
4	76.6	24.8	84.4	29.1	99	37.2	1970	68.7	20.4	58	14.4	1967
5	76.7	24.8	84.9	29.4	97	36.1	1980	68.5	20.3	58	14.4	1967
6	76.1	24.5	83.8	28.8	95	35.0	1949	68.4	20.2	57	13.9	1979
7	76.1	24.5	83.7	28.7	94	34.4	1966	68.6	20.3	58	14.4	1972
8	76.6	24.8	84.2	29.0	96	35.6	1982	69.0	20.6	56	13.3	1972
9	76.7	24.8	84.0	28.9	95	35.0	1981	69.3	20.7	59	15.0	1963
10	76.7	24.8	84.2	29.0	95	35.0	1966	69.3	20.7	59	15.0	1963
11	76.0	24.4	83.1	28.4	97	36.1	1966	68.9	20.5	59	15.0	1963
12	76.4	24.7	84.1	28.9	96	35.6	1966	68.6	20.3	60	15.6	1978*
13	77.2	25.1	85.0	29.4	97	36.1	1954	69.5	20.8	57	13.9	1978
14	78.0	25.6	85.2	29.6	94	34.4	1966*	70.8	21.6	62	16.7	1963
15	77.6	25.3	84.9	29.4	93	33.9	1952	70.3	21.3	64	17.8	1976
16	77.9	25.5	84.9	29.4	101	38.3	1980	70.8	21.6	64	17.8	1967
17	78.1	25.6	85.7	29.8	103	39.4	1980	70.6	21.4	61	16.1	1946
18	78.6	25.9	86.2	30.1	96	35.6	1963	70.9	21.6	64	17.8	1976*
19	79.4	26.3	87.4	30.8	95	35.0	1963*	71.4	21.9	63	17.2	1976
20	78.9	26.1	85.9	29.9	99	37.2	1980	71.8	22.1	64	17.8	1965
21	78.5	25.8	86.1	30.1	98	36.7	1980*	70.9	21.6	61	16.1	1965
22	78.7	25.9	86.3	30.2	98	36.7	1952	71.2	21.8	62	16.7	1965
23	78.5	25.8	85.9	29.9	100	37.8	1952	71.1	21.7	61	16.1	1947
24	77.6	25.3	85.1	29.5	99	37.2	1968	70.2	21.2	60	15.6	1961
25	77.7	25.4	85.1	29.5	95	35.0	1965	70.3	21.3	62	16.7	1947
26	77.9	25.5	85.0	29.4	96	35.6	1982*	70.7	21.5	61	16.1	1976
27	78.8	26.0	86.2	30.1	96	35.6	1963	71.3	21.8	62	16.7	1962
28	79.5	26.4	86.9	30.5	98	36.7	1966	72.1	22.3	57	13.9	1977
29	78.0	25.6	84.9	29.4	94	34.4	1964	71.2	21.8	64	17.8	1978*
30	77.6	25.3	84.9	29.4	99	37.2	1983	70.2	21.2	62	16.7	1961
31	78.6	25.9	85.9	29.9	98	36.7	1954	71.2	21.8	61	16.1	1966
Monthly	77.7	25.4	85.2	29.6	103	39.4	1980	70.2	21.2	58	12.8	1982

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	99.0	95.3	82.0	66.7	43.3	21.7	6.0	67.0	300
	04	100.0	100.0	100.0	99.0	88.0	72.0	52.7	26.3	7.3	70.2	300
	07	100.0	100.0	99.7	98.3	85.7	63.7	48.3	24.3	6.3	68.7	300
	10	100.0	100.0	93.0	70.7	47.3	30.3	18.3	10.0	1.7	52.8	300
	13	100.0	99.7	83.0	60.0	38.3	25.3	15.3	8.3	1.7	48.6	300
	16	100.0	97.7	82.0	61.3	40.3	26.3	17.3	7.0	2.3	49.1	300
	19	100.0	99.7	94.0	80.3	56.0	42.3	27.0	12.7	2.7	57.5	300
	22	100.0	100.0	98.0	91.0	71.9	56.2	38.5	17.4	4.0	63.6	299
TOTALS		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	78.4	25.8	86.1	30.1	97	36.1	1968		70.8	21.6	62	16.7	1981	
2	77.7	25.4	85.2	29.6	96	35.6	1955		70.3	21.3	63	17.2	1981	
3	77.7	25.4	84.9	29.4	97	36.1	1980		70.4	21.3	60	15.6	1965	
4	77.3	25.2	84.2	29.0	97	36.1	1963		70.4	21.3	60	15.6	1976	
5	76.7	24.8	83.9	28.8	96	35.6	1977		69.4	20.8	60	15.6	1951	
6	76.5	24.7	83.8	28.8	97	36.1	1977*		69.2	20.7	59	15.0	1951	
7	76.9	24.9	84.1	28.9	97	36.1	1977		69.8	21.0	61	16.1	1988	
8	77.5	25.3	84.8	29.3	95	35.0	1980		70.2	21.2	62	16.7	1950	
9	78.1	25.6	85.4	29.7	94	34.4	1980		70.7	21.5	60	15.6	1964	
10	78.2	25.7	85.7	29.8	95	35.0	1977		70.7	21.5	63	17.2	1976*	
11	77.6	25.3	84.8	29.3	95	35.0	1980*		70.3	21.3	59	15.0	1972	
12	76.2	24.6	83.9	28.8	96	35.6	1977		68.5	20.3	57	13.9	1974	
13	76.2	24.6	83.3	28.5	91	32.8	1975*		69.1	20.6	59	15.0	1982	
14	76.9	24.9	84.4	29.1	94	34.4	1980		69.3	20.8	60	15.6	1964	
15	77.5	25.3	84.9	29.4	98	36.7	1947		70.1	21.2	58	14.4	1964	
16	77.4	25.2	84.7	29.3	97	36.1	1966		70.1	21.2	59	15.0	1979	
17	76.8	24.9	84.0	28.9	97	36.1	1968		69.5	20.8	59	15.0	1979	
18	76.0	24.4	82.6	28.1	95	35.0	1966		69.4	20.8	62	16.7	1981	
19	76.1	24.5	82.9	28.3	95	35.0	1966*		69.2	20.7	61	16.1	1953	
20	76.2	24.6	83.4	28.6	93	33.9	1962		69.1	20.6	61	16.1	1976	
21	75.7	24.3	82.4	28.0	96	35.6	1959		69.1	20.6	61	16.1	1976	
22	75.7	24.3	82.4	28.0	96	35.6	1959		68.9	20.5	60	15.6	1981	
23	75.5	24.2	82.0	27.8	97	36.1	1964		68.9	20.5	60	15.6	1986*	
24	75.5	24.2	82.9	28.3	92	33.3	1978		68.1	20.1	58	14.4	1952	
25	75.8	24.3	83.0	28.3	96	35.6	1968		68.6	20.3	60	15.6	1977*	
26	75.6	24.2	83.5	28.6	93	33.9	1948		67.8	19.9	58	14.4	1977*	
27	76.3	24.6	84.2	29.0	95	35.0	1948		68.4	20.2	56	13.3	1945	
28	76.6	24.8	84.2	29.0	94	34.4	1970*		68.9	20.5	59	15.0	1965*	
29	77.1	25.1	84.8	29.3	97	36.1	1948		69.4	20.8	59	11.7	1982	
30	77.0	25.0	84.8	29.3	97	36.1	1953		69.2	20.7	54	12.2	1982	
31	77.1	25.1	84.6	29.2	97	36.1	1980*		69.6	20.9	58	14.4	1966	
Monthly	76.8	24.9	84.1	28.9	98	36.7	1947		69.5	20.8	53	11.7	1982	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

MAY

NORTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE		
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME				
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	76.0	24.4	83.1	28.4	98	36.7	1980	68.9	20.5	58	14.4	1948*		
2	75.7	24.3	82.8	28.2	98	36.7	1980	68.6	20.3	57	13.9	1948		
3	75.2	24.0	82.6	28.1	93	33.9	1954	67.8	19.9	57	13.9	1967		
4	74.9	23.8	82.1	27.8	94	34.4	1966	67.6	19.8	58	14.4	1974*		
5	74.6	23.7	81.6	27.6	93	33.9	1964	67.7	19.8	57	13.9	1982		
6	74.0	23.3	81.1	27.3	95	35.0	1954	66.9	19.4	57	13.9	1982*		
7	73.2	22.9	80.3	26.8	95	35.0	1954	66.1	18.9	56	13.3	1965		
8	72.6	22.6	79.5	26.4	90	32.2	1976*	65.6	18.7	58	14.4	1963*		
9	72.4	22.4	79.6	26.4	89	31.7	1976	65.2	18.4	55	12.8	1951		
10	72.5	22.5	80.1	26.7	92	33.3	1970	64.8	18.2	55	12.8	1956*		
11	72.4	22.4	80.2	26.8	92	33.3	1964	64.6	18.1	55	12.8	1976*		
12	72.7	22.6	80.5	26.9	91	32.8	1978*	64.9	18.3	56	13.3	1967*		
13	71.4	21.9	79.3	26.3	92	33.3	1952	63.6	17.6	54	12.2	1968		
14	72.2	22.3	79.8	26.6	93	33.9	1952	64.5	18.1	50	10.0	1953		
15	71.4	21.9	78.6	25.9	88	31.1	1970*	64.2	17.9	54	12.2	1946		
16	70.7	21.5	77.4	25.2	94	34.4	1970	63.9	17.7	54	12.2	1946		
17	70.5	21.4	77.3	25.2	91	32.8	1958	63.8	17.7	52	11.1	1959		
18	70.2	21.2	77.9	25.5	90	32.2	1982*	62.6	17.0	52	11.1	1959		
19	71.3	21.8	78.2	25.7	92	33.3	1978	64.3	17.9	53	11.7	1959		
20	70.0	21.1	76.6	24.8	88	31.1	1963	63.3	17.4	52	11.1	1959*		
21	69.7	20.9	77.0	25.0	92	33.3	1974	62.4	16.9	46	7.8	1956		
22	68.6	20.3	75.8	24.2	91	32.8	1980	61.7	16.5	53	11.7	1962*		
23	66.9	19.4	73.9	23.3	92	33.3	1970	59.8	15.4	50	10.0	1974*		
24	66.3	19.1	73.8	23.2	89	31.7	1970	58.8	14.9	48	8.9	1974*		
25	67.5	19.7	74.6	23.7	90	32.2	1970	60.3	15.7	46	7.8	1950		
26	67.2	19.6	74.1	23.4	87	30.6	1972*	60.3	15.7	47	8.3	1950		
27	66.9	19.4	74.1	23.4	84	28.9	1981*	59.7	15.4	47	8.3	1947		
28	66.4	19.1	73.1	22.8	84	28.9	1973	59.7	15.4	50	10.0	1980*		
29	65.7	18.7	72.8	22.7	88	31.1	1973*	58.5	14.7	48	8.9	1951		
30	65.2	18.4	72.3	22.4	87	30.6	1954	58.2	14.6	46	7.8	1951		
31														
Monthly	70.8	21.6	78.0	25.6	98	36.7	1980	63.6	17.6	46	7.8	1956*		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-8M08

JUN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.0	94.0	76.3	47.3	16.3	79.1	300
	04	100.0	100.0	100.0	100.0	99.7	96.3	84.7	55.3	19.0	81.6	300
	07	100.0	100.0	100.0	100.0	99.3	91.7	70.0	40.7	11.7	76.8	300
	10	100.0	100.0	100.0	97.3	86.7	59.7	34.7	15.0	3.3	65.0	300
	13	100.0	100.0	99.3	89.7	68.7	42.7	24.3	8.0	2.3	59.0	300
	16	100.0	100.0	99.3	88.0	71.3	43.3	25.7	11.3	2.3	59.6	300
	19	100.0	100.0	100.0	96.7	83.3	62.7	40.3	20.7	5.0	66.3	300
	22	100.0	100.0	100.0	100.0	98.0	89.0	65.3	35.7	8.7	75.3	300
TOTALS		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	65.3	18.5	72.1	22.3	86	30.0	1981*		58.6	14.8	40	4.4	1987	
2	64.8	18.2	72.7	22.6	87	30.6	1954		56.8	13.8	44	6.7	1974	
3	64.0	17.8	71.5	21.9	93	33.9	1968		56.5	13.6	40	4.4	1974	
4	63.2	17.3	70.9	21.6	92	33.3	1954		55.6	13.1	38	3.3	1974	
5	63.9	17.7	71.9	22.2	90	32.2	1959		55.9	13.3	40	4.4	1965	
6	63.6	17.6	71.7	22.1	87	30.6	1959		55.4	13.0	40	4.4	1965	
7	63.2	17.3	70.6	21.4	83	28.3	1963*		55.8	13.2	45	7.2	1954	
8	62.4	16.9	69.7	20.9	83	28.3	1982*		55.1	12.8	44	6.7	1953	
9	62.8	17.1	69.9	21.1	85	29.4	1980		55.7	13.2	39	3.9	1978	
10	61.5	16.4	68.9	20.5	86	30.0	1949		54.0	12.2	38	3.3	1979	
11	61.2	16.2	68.9	20.5	88	31.1	1954		53.4	11.9	38	3.3	1964	
12	61.7	16.5	69.9	21.1	87	30.6	1954		53.5	11.9	39	3.9	1964	
13	60.9	16.1	68.5	20.3	89	31.7	1954		53.2	11.8	40	4.4	1980	
14	61.2	16.2	68.8	20.4	85	29.4	1975		53.7	12.1	40	4.4	1979	
15	61.2	16.2	69.9	21.1	86	30.0	1975		52.6	11.4	38	3.3	1979	
16	60.4	15.8	68.6	20.3	80	26.7	1958		52.3	11.3	40	4.4	1978*	
17	59.9	15.5	67.6	19.8	80	26.7	1963		52.2	11.2	38	3.3	1977	
18	59.7	15.4	67.8	19.7	82	27.8	1963		51.9	11.1	36	2.2	1977	
19	58.2	14.6	65.3	18.5	79	26.1	1947*		51.1	10.6	37	2.8	1972	
20	58.1	14.5	65.9	18.8	84	28.9	1969		50.3	10.2	32	.0	1981*	
21	57.9	14.4	66.3	19.1	84	28.9	1979		49.5	9.7	33	.6	1974	
22	58.7	14.8	66.4	19.1	83	28.3	1979*		51.1	10.6	34	1.1	1974	
23	59.2	15.1	67.2	19.6	84	28.9	1978		51.3	10.7	35	1.7	1969	
24	57.4	14.1	64.3	17.9	77	25.0	1975*		50.5	10.3	33	.6	1969	
25	56.0	13.3	63.1	17.3	74	23.3	1961*		48.9	9.4	36	2.2	1969	
26	55.2	12.9	62.6	17.0	82	27.8	1978		47.9	8.8	36	2.2	1952	
27	55.5	13.1	63.4	17.4	78	25.6	1951		47.7	8.7	35	1.7	1976	
28	55.7	13.2	63.2	17.3	74	23.3	1947		46.2	9.0	34	1.1	1976	
29	55.7	13.2	63.1	17.3	79	26.1	1946		46.2	9.0	30	-1.1	1965	
30	55.2	12.9	62.4	16.9	79	26.1	1950*		47.9	8.8	32	.0	1952	
31	56.6	13.7	64.7	18.2	83	28.3	1946		48.5	9.2	35	1.7	1968	
Monthly	60.0	15.6	67.7	19.8	93	33.9	1968		52.4	11.3	30	-1.1	1965	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE		
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME				
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	56.9	13.8	64.9	18.3	83	28.3	1982	48.9	9.4	33	.6	1954		
2	57.9	14.4	65.7	18.7	85	29.4	1988	50.1	10.1	27	-2.8	1976		
3	56.5	13.6	64.6	18.1	77	25.0	1953	48.4	9.1	32	.0	1951		
4	54.7	12.6	62.1	16.7	79	26.1	1982*	47.4	8.6	31	-.6	1951		
5	52.9	11.6	60.0	15.6	79	26.1	1975	45.8	7.7	33	.6	1976		
6	50.9	10.5	58.7	14.8	78	25.6	1948	43.2	6.2	29	-1.7	1976		
7	51.2	10.7	59.3	15.2	78	25.6	1975	43.1	6.2	30	-1.1	1953		
8	51.4	10.8	59.7	15.4	79	26.1	1975	43.1	6.2	29	-1.7	1976*		
9	52.0	11.1	59.8	15.4	76	24.4	1966	44.3	6.8	24	-4.4	1976		
10	51.0	10.6	58.2	14.6	78	25.6	1966	43.8	6.6	33	.6	1973		
11	50.0	10.0	57.3	14.1	76	24.4	1949	42.7	5.9	32	.0	1976*		
12	50.8	10.4	58.3	14.6	73	22.8	1982	43.4	6.3	30	-1.1	1957		
13	50.5	10.3	57.7	14.3	76	24.4	1964	43.3	6.3	31	-.6	1976		
14	51.6	10.9	59.6	15.3	78	25.6	1955	43.7	6.5	29	-1.7	1976		
15	49.8	9.9	56.9	13.8	80	26.7	1973	42.7	5.9	26	-3.3	1967		
16	50.7	10.4	58.9	14.9	78	25.6	1955	42.4	5.8	23	-5.0	1967		
17	49.6	9.8	57.7	14.3	72	22.2	1955	41.6	5.3	28	-2.2	1959		
18	49.4	9.7	57.2	14.0	74	23.3	1979	41.6	5.3	23	-5.0	1959		
19	48.9	9.4	56.8	13.8	73	22.8	1976*	41.1	5.1	26	-3.3	1951		
20	48.1	8.9	55.6	13.1	72	22.2	1948	40.7	4.8	26	-3.3	1951		
21	46.7	8.2	54.2	12.3	72	22.2	1956	39.2	4.0	24	-4.4	1969		
22	46.1	7.8	53.6	12.0	73	22.8	1979	38.6	3.7	21	-6.1	1969		
23	45.9	7.7	53.8	12.1	74	23.3	1979	38.0	3.3	24	-4.4	1970*		
24	46.8	8.2	54.7	12.6	72	22.2	1979*	38.9	3.8	21	-6.1	1970*		
25	44.7	7.1	52.1	11.2	80	26.7	1973	37.3	2.9	20	-6.7	1950		
26	44.4	6.9	52.2	11.2	73	22.8	1946	36.7	2.6	19	-7.2	1950		
27	46.6	8.1	54.2	12.3	69	20.6	1976*	39.0	3.9	26	-3.3	1977*		
28	46.3	7.9	54.0	12.2	77	25.0	1973	38.7	3.7	23	-5.0	1955		
29	43.4	6.3	50.8	10.4	72	22.2	1968	36.0	2.2	16	-8.9	1955		
30	40.7	4.8	47.6	8.7	64	17.8	1973	33.8	1.0	20	-6.7	1976*		
31														
Monthly	49.6	9.8	57.2	14.0	85	29.4	1968	41.9	5.5	16	-8.9	1955		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

SEP
MONT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	98.0	93.6	83.9	57.9	22.1	81.6	299
	04	100.0	100.0	100.0	100.0	99.7	95.3	88.6	68.9	26.4	84.1	299
	07	100.0	100.0	100.0	100.0	100.0	94.7	87.0	64.7	27.7	83.8	300
	10	100.0	100.0	100.0	99.7	90.3	70.0	43.7	18.0	6.0	68.3	300
	13	100.0	100.0	99.7	95.3	73.0	49.0	25.0	11.7	4.3	61.6	300
	16	100.0	100.0	99.7	93.3	78.7	52.3	28.0	14.3	5.7	62.8	300
	19	100.0	100.0	100.0	99.7	96.0	85.7	61.0	30.7	9.3	73.7	300
	22	100.0	100.0	100.0	100.0	97.7	92.0	78.0	49.3	15.0	78.8	300
TOTALS		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398

NAVWEASERVCOM

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

PATUXENT RIVER, MARYLAND

1945-1982

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	40.6	4.8	48.4	9.1	71	21.7	1946		32.8	.4	20	-6.7	1976*
2	42.0	5.6	49.8	9.9	67	19.4	1980		34.1	1.2	23	-5.0	1964
3	43.5	6.4	50.6	10.3	71	21.7	1950		36.4	2.4	17	-8.3	1966
4	44.7	7.1	52.7	11.5	76	24.4	1982		36.8	2.7	14	-10.0	1966
5	44.5	6.9	52.6	11.4	73	22.8	1982		36.4	2.4	22	-5.6	1966
6	44.0	6.7	52.2	11.2	71	21.7	1982*		35.9	2.2	22	-5.6	1954
7	43.9	6.6	51.6	10.9	74	23.3	1956		36.3	2.4	20	-6.7	1954
8	44.4	6.9	52.3	11.3	74	23.3	1978*		36.5	2.5	20	-6.7	1954
9	42.2	5.7	49.6	9.8	74	23.3	1951		34.8	1.6	19	-7.2	1976
10	40.2	4.6	47.2	8.4	75	23.9	1966		33.2	.7	15	-9.4	1968
11	39.2	4.0	46.0	7.8	68	20.0	1971		32.4	.2	15	-9.4	1968
12	40.5	4.7	47.4	8.6	71	21.7	1979		33.5	.8	14	-10.0	1957
13	40.8	4.9	48.5	9.2	67	19.4	1956		33.1	.6	12	-11.1	1960
14	39.1	3.9	46.0	7.8	64	17.8	1948		32.2	.1	13	-10.6	1960
15	38.4	3.6	45.2	7.3	70	21.1	1971		31.6	-.2	13	-10.6	1958
16	38.2	3.4	45.4	7.4	75	23.9	1971		30.9	-.6	10	-12.2	1958
17	37.7	3.2	45.2	7.3	60	15.6	1946		30.1	-1.1	15	-9.4	1951
18	37.3	2.9	45.1	7.3	61	16.1	1966		29.6	-1.3	18	-7.8	1953
19	37.1	2.8	44.2	6.8	63	17.2	1957		30.1	-1.1	16	-8.9	1964*
20	37.5	3.1	44.4	6.9	63	17.2	1972		30.6	-.8	14	-10.0	1963
21	37.5	3.1	44.0	6.7	67	19.4	1956		31.0	-.6	13	-10.6	1980
22	36.5	2.5	43.1	6.2	68	20.0	1949		29.9	-1.2	18	-7.8	1963*
23	38.5	3.6	46.4	8.0	66	18.9	1981		30.7	-.7	18	-7.8	1980*
24	39.4	4.1	46.0	7.8	65	18.3	1982*		32.9	.5	17	-8.3	1945
25	38.5	3.6	45.6	7.6	72	22.2	1982*		31.5	-.3	12	-11.1	1980
26	38.9	3.8	46.6	8.1	72	22.2	1982		31.3	-.4	10	-12.2	1980
27	37.9	3.3	44.7	7.1	69	20.0	1973*		31.0	-.6	16	-8.9	1977*
28	39.2	4.0	46.8	8.2	74	23.3	1971		31.7	-.2	17	-8.3	1966
29	39.3	4.1	46.5	8.1	66	18.9	1982		32.1	.1	18	-7.8	1977
30	38.8	3.8	46.2	7.9	70	21.1	1971		31.5	-.3	16	-8.9	1976
31	37.7	3.2	44.4	6.9	72	22.2	1965		31.1	-.5	15	-9.4	1962
Monthly	39.9	4.4	47.2	8.4	76	24.4	1982		32.6	.3	10	-12.2	1980*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	99.0	91.3	71.6	43.9	14.8	77.8	310
	04	100.0	100.0	100.0	100.0	98.4	90.6	74.5	52.9	18.7	79.8	310
	07	100.0	100.0	100.0	100.0	98.7	91.3	75.2	54.5	21.9	80.3	310
	10	100.0	100.0	100.0	96.8	78.4	57.1	35.5	20.0	6.8	65.0	310
	13	100.0	100.0	98.4	83.9	59.4	36.8	20.6	13.5	2.6	57.2	310
	16	100.0	100.0	99.0	89.4	65.2	41.9	29.4	14.5	4.8	59.8	310
	19	100.0	100.0	100.0	99.7	91.6	75.2	50.0	27.7	10.0	71.2	310
	22	100.0	100.0	100.0	99.7	96.8	82.6	59.4	34.8	14.2	75.0	310
TOTALS		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION 724 PATUXENT RIVER, MARYLAND 45-62 YEARS

4000 DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			55	79	86	97	95	51	89	79		55	
4	66	74	75	80	86	91	94	91	89	83	76	71	74
4	72	57	69	84	89	89	92	98	90	82	65	61	98
4	56	78	85	80	85	95	94	97	87	77	78	66	97
4	72	75	82	85	88	94	95	95	86	86	76	68	95
4	78		73	80	87	95	92	91	88	82	82	71	
1	71	69	70	86	84	94	94	91	89	89	75		
2		60	75	87	85	99	100	92	93	86		59	
3	72	67	66	86	91	91	100	97	95	79	77		
4	71	76	75	86	85	98	100	95	95	92	66	66	100
5	65	63	79	85	92	90	97	97	85	83	75	68	97
5	65	68	72	85	93	93	94	95	93	79	74	74	95
5	68	68	65	84	89	95	96	92	91	74	73	66	96
5	55	61	55	77	83	91	93	92	91	83	73	62	93
5	69	70	75	87	90	99	93	96	89	90	78	61	99
5	63	60	75	91	85	92	93	94	86	78	70	60	94
6	55	72	82	84	87	89	90	88	89	81	71	59	91
6	57	61	74	81	90	90	88	93	90	83	61	55	93
6	62	57	78	82	94	94	96	97	91	83	71	61	97
6	68	62	80	90	94	101	94	97	93	75	76	72	101
6	65	65	66	70	85	97	95	91	88	76	74	72	97
6	67	64	80	80	89	94	99	97	94	84	78	75	99
6	73	70	79	90	86	95	95	92	82	84	72	65	95
6	59	56	78	79	86	92	99	97	87		85	68	
6	67	58	77	91	93	98	94	92	89	84	65	61	98
7	69	61	62	82	88	93		94	94	84	65	66	
7	62	70	74	78	83	91	91	91	86	80	83	75	91
7	66	77	80	86	83	87	92	89	88	79	78	65	92
7	61	60	77	89	87	90	92	94	89	84	80	71	94
7	75	70	80	91	90	92	93	88	92	80	80	66	93
MEAN													
S.D.													
TOTAL OBS.													

SMOS

RELATIVE HUMIDITY

13721

PATUXENT RIVER, MARYLAND

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.0	92.3	74.0	56.7	36.0	14.7	73.2	300
	04	100.0	100.0	100.0	99.3	94.3	81.0	63.3	41.7	16.0	75.5	300
	07	100.0	100.0	100.0	99.7	96.3	84.7	63.0	42.0	16.0	76.4	300
	10	100.0	100.0	100.0	96.3	73.3	48.7	35.3	20.7	8.7	64.0	300
	13	100.0	100.0	97.7	75.3	50.2	37.1	23.7	15.1	7.0	56.2	299
	16	100.0	100.0	98.7	81.0	59.0	42.0	30.7	19.3	6.0	59.2	300
	19	100.0	100.0	100.0	96.7	84.7	63.3	44.3	26.3	10.0	68.1	300
	22	100.0	100.0	99.7	99.0	86.0	69.0	50.3	31.0	10.0	70.3	300
TOTALS		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399

NAVWEASERVCOM

EXTREME VALUES

PATUXENT RIVER, MARYLAND

45-6

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

SMOS

13721
STATION

PATUXENT RIVER, MARYLAND

73-82

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	98.1	86.5	67.1	51.9	30.3	9.4	70.5	310
	04	100.0	100.0	100.0	99.7	91.6	72.6	52.3	34.8	10.6	71.6	310
	07	100.0	100.0	100.0	99.0	93.2	74.5	56.1	32.3	10.0	72.2	310
	10	100.0	100.0	100.0	94.8	75.4	52.8	37.5	24.3	10.4	65.1	309
	13	100.0	100.0	96.8	80.0	56.8	38.4	28.7	17.4	7.1	58.0	310
	16	100.0	100.0	96.5	81.6	59.0	41.6	30.6	20.0	6.5	59.3	310
	19	100.0	100.0	99.4	95.1	78.0	63.1	42.1	26.5	6.8	66.8	309
	22	100.0	100.0	100.0	98.4	83.8	67.6	50.2	29.8	9.1	69.7	309
TOTALS		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477

EXTREME VALUES

754
STATION

45-2

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476
FEB		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255
MAR		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480
APR		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399
MAY		100.0	100.0	98.2	93.2	82.0	68.7	52.2	33.9	13.1	70.0	2480
JUN		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400
JUL		100.0	100.0	100.0	98.5	90.6	76.8	56.3	33.9	11.2	72.4	2479
AUG		100.0	100.0	100.0	98.9	93.4	81.6	63.8	39.0	12.2	74.6	2480
SEP		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398
OCT		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480
NOV		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399
DEC		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477
TOTALS		100.0	99.9	98.5	93.1	81.0	65.5	48.6	29.9	10.3	68.4	29203

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION PATUXENT RIVER, MARYLAND

45-00

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4			3	36	42	5	61	56	56	42		16	
4	17	18	32	36	44	53	61	58	54	46	34	2	7
47	14	8	26	34	39	53	61	67	47	4	29	25	3
4	10	15	20	37	47	56	6	60	56	38	36	17	
	2	26	25	37	49	56	66	63	49	43	26	25	23
	25		17	26	45	54	64	62	46	44	19	16	
	16	12	28	34	48	55	63	59	46	44	26		
		27	25	35	44	56	55	58	51	32		12	
3	25	24	24	32	52	48	64	61	50	43	3		
4	16	20	22	29	42	55	61	59	55	4	31	19	6
5	14	13	24	35	46	56	63	65	57	4	16	17	23
5	22	22	25	32	42	55	61	60	46	46	21	25	21
57	1	25	3	32	42	55	62	63	49	35	30	14	10
5	18	7	3	37	48	54	67	65	53	43	20	10	7
5	11	15	29	37	45	53	66	63	52	42	23	22	11
	20	21	16	33	45	58	64	62	58	38	3	12	12
	7	10	25	31	45	58	60	62	55	42	33	22	7
	12	17	2	36	50	61	62	62	53	36	36	15	12
3	9	1	3	44	44	56	59	58	48	43	34	14	9
4	14	22	26	32	46	52	62	58	53	36	22	16	44
5	3	9	19	30	52	54	6	54	54	3	27	25	3
6	12	12	25	35	36	50	64	63	53	40	3	14	12
67	1	12	15	37	43	45	58	61	49	39	23	21	
6	9	1	21	36	43	58	64	59			27	15	
67	1	18	21	28	44	58	63	61	49	33	21	21	10
	4	1	23	33	41	58		64	49	41	21	22	
7	14	7	27	35	46	59	64	63	58	51	31	24	9
7	7	19	26	30	49	50	56	59	55	35	27	22	7
73	18	12	28	37	43	56	62	62	54	4	32	21	12
74	21	21	27	35	44	55	65	57	48	32	26	26	21
MEAN													
S. D.													
TOTAL OBS.													

SMOS

H

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17701
STATION

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

JANUARY

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						60.0	40.0			5	0.0
67 TO 71					16.7	50.0	33.3			6	0.0
62 TO 66	12.5				2.0	50.0	12.5			5	0.0
57 TO 61		5.1	2.6	5.3	16.8	21.1	13.4	10.5		39	1.5
52 TO 56	8.2	4.9	1.2	6.2	17.3	30.9	22.2	3.6	2.5	61	2.3
47 TO 51	13.3	5.3	3.3	10.0	18.7	14.3	23.3	8.3	4.0	100	3.1
42 TO 46	15.4	9.2	6.7	10.7	13.7	9.7	11.7	14.4	8.4	209	10.1
37 TO 41	19.3	8.6	5.1	3.2	9.3	8.4	12.6	17.3	11.4	420	17.7
32 TO 36	19.3	11.0	7.5	6.3	6.7	7.1	9.9	20.9	12.2	507	20.7
27 TO 31	26.2	4.1	8.2	3.1	9.4	4.1	12.1	20.3	12.3	413	16.7
22 TO 26	30.0	11.4	2.9	2.3	6.8	4.6	8.5	26.1	7.5	377	12.4
17 TO 21	27.9	3.3	3.3	.8	6.6	2.5	23.0	23.6	9.0	122	4.9
12 TO 16	41.5		1.5		1.5	4.6	15.4	23.1	12.3	65	2.6
7 TO 11	15.6		3.1		6.3	3.1	31.3	37.5	7.1	32	1.3
2 TO 6	20.0						30.0	40.0	10.0	10	.4
3 TO 1	16.7						16.7	66.7		6	.2
-8 TO -4											
-12 TO -8											
-16 TO -12											
-20 TO -16											
-24 TO -20											
-28 TO -24											
-32 TO -28											
-36 TO -32											
-40 TO -36											
-44 TO -40											
-48 TO -44											
TOTALS	21.2	7.7	5.5	5.7	9.9	8.1	13.2	19.1	9.6	2474	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

FEBRUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						33.3	66.7			3	.1
72 TO 76					12.5	37.5	50.0			8	.4
67 TO 71				11.1	11.1	66.7	11.1			9	.4
62 TO 66	8.6			5.7	11.4	42.9	31.4			39	1.6
57 TO 61	2.9		1.5	4.4	17.6	42.6	25.0	4.4	1.5	68	3.0
52 TO 56	6.7	3.4	3.4	12.9	19.8	27.6	15.5	6.9	4.3	116	5.1
47 TO 51	10.1	9.7	3.4	16.3	18.5	12.9	13.5	12.4	3.9	178	7.9
42 TO 46	15.7	8.2	5.0	15.4	18.7	10.1	7.9	13.1	4.9	267	11.8
37 TO 41	19.9	10.5	8.6	8.6	10.8	9.1	7.2	17.5	7.8	361	16.0
32 TO 36	24.6	14.5	7.5	6.7	8.7	4.6	3.4	20.5	9.6	415	18.4
27 TO 31	23.1	14.3	6.1	5.3	9.0	3.2	4.0	22.5	12.5	377	16.7
22 TO 26	28.9	8.4	4.4	2.9	3.6	4.4	5.6	28.5	13.3	249	11.0
17 TO 21	31.3	10.7	1.8	5.4	2.7	1.8	1.8	35.7	8.9	112	5.0
12 TO 16	44.2	4.7	2.3			9.3		30.2	9.3	43	1.9
7 TO 11	42.9	28.5						21.4	7.1	14	.6
2 TO 6		100.0								1	.0
-3 TO -1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	20.6	10.4	5.6	8.1	10.9	9.6	7.5	19.0	8.4	2256	100.0

NAVWEASERVCOM

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H

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17001
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

MARCH
MONTH

ALL
HOURS

WIND DIRECTION

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

APRIL
MONTH

ALL
NO. OF

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						33.3	66.7			3	.1
82 TO 86	3.8			15.4		26.9	34.6	19.2		26	1.1
77 TO 81		2.4		7.3	7.3	36.6	26.8	17.1	2.4	41	1.7
72 TO 76	5.0	1.3	1.3	10.0	17.5	36.3	25.0	3.8		89	3.3
67 TO 71	8.1	7.5	3.1	18.8	12.5	26.3	12.5	9.4	1.9	160	6.7
62 TO 66	6.4	4.3	4.6	12.9	26.1	22.1	9.3	11.4	2.9	280	11.7
57 TO 61	9.6	8.2	5.3	14.2	21.6	11.8	10.7	13.3	5.3	450	15.8
52 TO 56	14.9	9.3	7.5	9.3	19.7	5.6	7.9	16.8	8.9	517	21.6
47 TO 51	16.0	7.8	8.0	11.8	12.4	4.7	9.3	21.7	8.4	451	18.8
42 TO 46	17.4	7.5	7.9	4.3	11.9	4.3	10.7	28.1	7.9	253	10.5
37 TO 41	20.2	3.1	1.0	1.0	2.1	3.1	5.2	34.4	19.8	96	4.0
32 TO 36	24.3			2.7		2.7		51.4	18.9	37	1.5
27 TO 31	40.0							60.0		5	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.0	7.0	5.8	10.8	16.5	11.4	10.5	18.0	6.9	2399	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

73-02

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MON:

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HOUSE 1187

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION1721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSJUNE
MONTHALL
HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		8.3		8.3	8.3	33.3	33.3	8.3		12	.5
87 TO 91	4.5			6.8	18.2	31.8	34.1	4.5		44	1.8
82 TO 86	7.6	3.8	1.4	16.6	20.9	19.4	20.4	7.1	2.8	211	8.8
77 TO 81	6.5	5.8	4.7	18.4	27.4	12.1	12.4	10.1	2.5	445	18.5
72 TO 76	7.8	6.2	5.7	10.8	23.3	21.6	10.6	9.0	4.9	630	26.3
67 TO 71	9.4	7.8	7.5	7.6	23.1	14.8	9.5	12.7	7.6	576	24.0
62 TO 66	13.0	13.6	9.9	6.8	14.6	10.2	8.4	12.7	10.8	323	13.5
57 TO 61	19.7	11.0	5.5	4.7	6.3	7.1	10.2	20.5	15.0	127	5.3
52 TO 56	18.8	21.9	15.6				12.5	15.6	15.6	32	1.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.3	7.7	6.1	10.9	21.3	15.7	11.8	11.0	6.3	2400	100.0

NAVWEASERVCOM

IC

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

JULY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				20.0	40.0		40.0			5	.2
92 TO 96	5.7	2.9	2.9	11.4	14.3	11.4	40.0	8.6	2.9	35	1.4
87 TO 91	9.6	3.6	4.8	16.8	18.6	12.6	16.8	15.6	1.8	167	6.7
82 TO 86	8.7	9.2	3.4	18.6	22.9	15.2	10.1	8.4	3.6	415	16.7
77 TO 81	7.1	8.6	4.4	12.9	20.4	19.0	10.7	10.4	6.5	675	27.2
72 TO 76	9.2	8.2	5.9	7.1	16.6	15.1	14.9	10.6	12.4	743	30.0
67 TO 71	10.7	9.3	7.0	4.6	10.7	15.7	13.3	13.9	15.1	345	13.9
62 TO 66	12.5	10.2	4.5	1.1	4.5	13.6	14.8	18.2	20.5	88	3.5
57 TO 61	16.7					16.7	33.3	16.7	16.7	6	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.8	8.2	5.0	10.8	17.5	15.9	13.3	11.2	9.1	2479	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

17721 PATUMENT RIVER, MARYLAND

73-82

FEB

PAGE 1

HOURS - L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
76 / 77										.1	.0							3	3													
75 / 75										.0								1	1													
74 / 73								.1			.0		.0					4	4													
72 / 71							.1			.0	.0							4	4													
70 / 69					.0		.0	.0		.0								4	4													
68 / 67				.0			.0	.0		.0								4	4													
66 / 65					.2	.0	.1	.1	.1	.1								13	13													
64 / 63				.0	.1	.2	.0	.1	.1	.0								15	15													
62 / 61			.1	.1	.0	.1	.0	.3	.0									16	16	5												
60 / 59		.0	.1	.2	.1	.1	.3	.2	.0	.0								27	27	5	1											
57 / 57		.1	.1	.2	.3	.2	.3	.4	.1									32	32	12	3											
56 / 55		.4	.1	.4	.3	.3	.3	.3										39	39	13	3											
54 / 53	.1	.5	.3	.3	.3	.4	.2	.3										53	53	32	13											
52 / 51	.0	.5	.6	.4	.4	.4	.2											58	58	40	21											
50 / 49	.1	.9	.6	.4	.5	.4	.1											69	69	39	21											
48 / 47		.9	.4	.4	.5	.8	.2											75	75	74	34											
46 / 45	.0	1.2	.7	.7	1.2	.6	.1											101	101	79	51											
44 / 43	.3	1.3	.8	1.1	.8	.4	.0											105	105	84	55											
42 / 41	.3	1.1	1.3	1.2	1.0	.4												118	118	91	54											
40 / 39	.2	2.3	1.4	1.8	.8	.1	.0											150	150	101	60											
38 / 37	.3	2.5	1.6	1.5	.8	.2												154	154	162	73											
36 / 35	.2	2.2	2.7	1.4	1.1	.0												172	172	156	96											
34 / 33	.4	2.4	2.0	2.0	.6													166	166	182	111											
32 / 31	.0	2.0	2.3	1.5	.6													144	145	168	99											
30 / 29	.1	2.5	2.9	1.8	.2													168	168	155	110											
28 / 27	.6	1.6	2.7	1.2	.2													141	141	183	160											
26 / 25	.4	1.9	2.4	1.0														126	126	149	159											
24 / 23	.0	1.9	1.9	.3														91	91	150	135											
22 / 21	.0	1.5	1.2	.2														66	66	126	125											
20 / 19	.1	1.2	1.0	.1														54	54	93	110											
18 / 17		.4	.6	.0														24	24	54	123											
16 / 15	.2	.2	.6															21	21	46	111											
14 / 13	.0	.4	.3															17	17	13	113											
12 / 11	.3	.1																9	9	21	109											
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total															
Dry Bulb																																
Wet Bulb																																
Dew Point																																

MM 4432-5-1321

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17701
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
MONTH

ALL
HOURS

WIND DIRECTION

PSYCHROMETRIC SUMMARY

12721 PATUXENT RIVER, MARYLAND

73-82

MAR

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
81									.1	.0							4	4		
79								.1	.0	.0							3	3		
77							.0	.0	.0	.2							5	5		
75						.0	.0	.0	.0	.1							6	6		
73					.0	.0	.0	.1	.0	.1							7	7		
71					.1	.1	.2	.1	.0	.0	.0						14	14		
69					.1	.1	.0	.1	.1	.0							12	12		
67			.0	.1	.1	.3	.3	.0	.1	.0	.0						27	27		
65				.3	.2	.4	.2	.0	.0	.2							31	31	7	
63		.1	.3	.2	.2	.3	.2	.2	.2	.1	.0						46	46	6	
61		.2	.4	.2	.4	.2	.3	.2	.1	.1							51	51	22	3
59		.2	.5	.4	.4	.3	.3	.2	.2	.0							62	62	33	0
57	.1	.3	.6	.8	.3	.5	.6	.2	.1								86	86	49	28
55	.2	.6	.5	.9	.4	.8	.3	.0									113	113	61	30
53	.2	.6	1.1	.7	1.0	.8	.9	.2	.0								141	141	77	38
51	.1	1.3	1.1	.8	1.3	.9	.8	.2									158	158	80	52
49	.4	1.9	1.1	1.0	1.2	1.4	.6	.1									196	196	124	66
47	.7	2.7	1.5	1.3	1.8	1.3	.2										234	234	163	125
45	.4	2.1	1.6	1.2	1.8	.5	.1										190	190	202	130
43	.4	2.0	1.8	1.9	1.9	.6	.0										211	211	215	104
41	.4	1.1	2.1	1.6	1.4	.2											166	166	200	113
39	.6	1.3	1.9	1.3	.9	.2											159	159	232	134
37	.4	1.5	1.4	1.5	.7	.2											139	139	242	143
35	.2	1.6	1.1	1.4	.5												118	118	192	131
33	.2	.7	.9	1.5	.2												91	91	139	154
31	.1	.7	.8	1.1	.2												72	72	111	165
29		.7	1.0	.5													56	56	101	147
27		.7	.6	.3													39	39	89	144
25		.1	.4	.1													13	13	61	161
23		.0	.3														8	8	29	135
21		.1	.1														5	5	17	85
19	.0	.1	.1														6	6	11	84
17	.2		.1														7	7	7	74
15	.1		.1														4	4	7	70
Element (X)	ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

PSYCHROMETRIC SUMMARY

11721 PATUMENT RIVER, MARYLAND

73-72

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
1																			2	47
2																			1	30
3																				19
4																				15
5																				3
6																				5
7	0.5	1.0	21.4	19.2	15.0	9.3	5.6	2.1	1.2	.8	.2							2480		2480
8																		2480		2480
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature								Total	
Rel. Hum.	11102932		158456		63.9		19.867		2480		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		744.0		
Dry Bulb	5535533		114419		46.1		10.174		2480			63.0	23.4	7.5	2.1			744.0		
Wet Bulb	4314538		101038		40.7		8.940		2480			130.8						744.0		
Dew Point	3181223		82511		33.3		11.642		2480			360.0						744.0		

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

OCTOBER
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	6.7				6.7	53.3	26.7	6.7		15	.6
77 TO 81	9.5	2.4		9.5	26.2	28.6	16.7	4.8	2.4	42	1.7
72 TO 76	8.5	.8	5.4	11.5	27.7	19.2	17.7	6.9	2.3	130	5.2
67 TO 71	10.4	8.9	8.6	14.1	18.2	14.9	11.9	7.4	5.6	269	10.8
62 TO 66	12.0	10.1	8.1	9.3	16.1	12.2	12.8	11.6	7.9	484	19.5
57 TO 61	16.9	13.1	7.8	7.0	12.5	11.9	7.2	16.3	7.2	497	20.0
52 TO 56	19.8	12.9	8.8	1.8	8.1	9.6	9.4	20.8	9.8	457	18.4
47 TO 51	20.2	12.6	10.1	1.4	5.3	8.1	11.8	17.1	13.4	357	14.4
42 TO 46	23.3	3.8	6.9		.6	11.3	16.4	23.3	14.5	159	6.4
37 TO 41	27.9	9.8			1.6	13.1	24.6	8.2	14.8	61	2.5
32 TO 36	33.3					22.2		22.2	22.2	9	.4
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LOWER											
TOTALS	16.2	10.3	7.9	6.0	11.9	12.3	11.7	14.9	8.9	2480	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

1971 PATUMENT RIVER, MARYLAND 73-82 APR
 STATION STATION NAME YEARS MONTH
 PAGE 1
 HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
80/84												.0	.0					2	2	
86/87												.0	.0					1	1	
86/85										.0	.0	.0	.1		.0			6	6	
84/83									.0	.1	.2	.2	.0					12	12	
82/81								.0	.1	.3	.0	.0	.0					14	14	
80/79						.0	.1	.2	.2	.0	.0	.0	.0					16	16	
78/77							.1	.3	.1	.2	.1							19	19	
76/75					.0	.1	.4	.2	.2	.0	.0		.1					24	24	
74/73					.1	.3	.3	.3	.1	.2								30	30	
72/71				.0	.3	.3	.1	.2	.1	.4	.2							45	45	
70/69			.0	.2	.5	.2	.5	.3	.1	.5	.1							61	61	1
68/67			.4	.7	.5	.4	.3	.3	.3	.4	.1							80	80	12
66/65		.3	.5	.4	.6	.7	.5	.5	.6	.3								105	105	41
64/63		.5	.4	.9	.8	.6	.6	.6	.6	.0								118	118	72 18
62/61		.5	.7	1.0	1.1	.6	.6	.6	.3	.0								135	135	77 31
60/59	.3	1.2	1.4	.8	1.0	.9	1.3	.6	.3									184	184	73 47
58/57	.1	.9	1.5	.8	1.5	1.3	1.3	.6	.0									188	188	128 67
56/55	.3	1.0	1.9	1.0	.7	2.0	1.1	.3	.0									202	202	154 99
54/53	.2	1.0	2.2	1.6	1.3	1.7	.7	.3										212	212	167 107
52/51	.1	1.2	2.2	1.3	2.1	1.3	.7	.1										213	213	180 126
50/49	.1	.8	1.5	1.8	2.7	1.0	.2	.1										182	182	222 133
48/47	.1	.9	1.4	1.8	1.5	.7	.2											159	159	229 138
46/45		.7	1.8	1.5	1.0	.4	.2											132	132	228 128
44/43	.7	.7	1.3	.6	.6	.4	.0											88	88	221 138
42/41	.2	.2	1.1	.6	.4	.2												64	64	209 129
40/39		.3	.6	.7	.7	.0												42	42	144 150
38/37	.0	.1	.3	.4	.2	.0												23	23	84 146
36/35		.2	.4	.3	.3													26	26	60 171
34/33		.0	.1	.1	.1													9	9	42 195
32/31				.1	.1													4	4	26 148
30/29			.0															1	1	14 105
28/27			.1															2	2	0 95
26/25																				4 63
24/23																			2	43
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSNOVEMBER
MONTHALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					7.1	42.9	42.9	7.1		14	.6
72 TO 76	4.2	4.2		12.5	20.8	16.7	25.0	16.7		24	1.0
67 TO 71	1.0	4.9	5.8	7.8	26.2	32.0	17.5	4.9		103	4.3
62 TO 66	5.1	7.9	7.9	18.7	23.4	14.0	13.1	5.1	5.1	214	8.9
57 TO 61	9.5	7.4	4.6	11.6	18.2	20.0	10.9	10.5	7.4	255	11.9
52 TO 56	17.7	8.2	6.3	9.8	11.1	10.9	13.6	11.7	10.9	368	15.3
47 TO 51	24.5	12.1	4.9	4.1	9.7	9.9	10.9	15.8	8.0	486	20.3
42 TO 46	26.4	12.4	2.6	1.7	5.9	8.1	16.4	18.3	8.3	421	17.5
37 TO 41	25.9	7.5	6.1	1.0	4.1	7.5	13.0	24.9	9.9	293	12.2
32 TO 36	25.0	3.4	6.8		1.4	6.6	15.5	27.7	13.5	140	6.2
27 TO 31	16.2					2.7	27.0	27.0	27.0	37	1.5
22 TO 26	57.1						42.9			7	.3
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -8											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19.1	8.8	5.1	6.3	10.9	11.9	14.0	15.5	8.5	2400	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

17721	PATUXENT RIVER, MARYLAND
STATION	STATION NAME

73-32

YEARS

MONT

MONTH

PAGE 2

HOURS 1 5 7

[illegible]

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

DECEMBER
MONTH

ALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						30.0	50.0			4	.2
67 TO 71	3.9				11.5	61.5	23.1			26	1.0
62 TO 66	1.9	1.9		1.9	18.5	40.7	33.3		1.9	54	2.2
57 TO 61	2.4	3.5	1.2	1.2	21.2	38.8	22.4	5.9	3.5	85	3.4
52 TO 56	7.1	3.1	4.6	6.1	25.0	28.1	11.7	8.7	5.6	196	7.9
47 TO 51	13.4	8.1	4.9	9.5	12.4	13.8	12.0	16.6	9.2	223	11.4
42 TO 46	16.6	10.1	9.0	8.6	9.9	9.7	9.2	15.5	11.4	465	18.8
37 TO 41	20.7	13.7	7.5	4.5	8.0	8.0	9.9	18.6	9.2	576	23.2
32 TO 36	22.5	11.5	5.2	1.8	10.5	11.0	9.9	19.1	8.4	382	15.4
27 TO 31	25.4	5.8	5.8	2.9	8.3	7.9	6.7	23.8	13.3	247	9.7
22 TO 26	28.7	1.7	5.9	.8	3.4	4.2	14.4	23.7	17.8	115	4.8
17 TO 21	42.1	2.6	2.6		5.3	2.6	13.5	13.2	21.1	38	1.5
12 TO 16	70.0	10.0						10.0	10.0	10	.4
7 TO 11									100.0	1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LOWER											
TOTALS	18.4	8.9	6.1	4.9	11.0	13.1	11.2	16.6	9.8	2479	100.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION PATUXENT RIVER, MARYLAND

73-82

MAY

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point							
89																					2	2					
87																					1	1					
85																					9	9					
83																					19	19					
81																					34	34					
79																					64	64					
77																					75	75					
75																					78	78					
73																					137	137	20	4			
71																					164	164	44	11			
69																					186	186	99	36			
67																					201	201	177	86			
65																					247	247	207	139			
63																					228	228	213	160			
61																					224	224	262	219			
59																					183	183	221	219			
57																					169	169	226	215			
55																					127	127	220	179			
53																					122	122	196	148			
51																					98	98	155	139			
49																					63	63	156	158			
47																					30	30	114	139			
45																					21	21	71	146			
43																					3	3	41	104			
41																					5	5	29	96			
39																											
37																											
35																											
33																											
31																											
29																											
27																											
25																											
23																											
Element (X)	ΣX ²				ΣX				X̄				σ _x				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

NAVWEASERVCOM

10

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

10721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

ALL
MONTH

ALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				16.7	13.3		50.0			4	.5
92 TO 96	4.9	2.5	1.2	8.6	13.6	16.0	34.6	17.3	1.2	51	.7
87 TO 91	7.4	3.0	4.0	15.6	18.8	16.5	19.5	14.1	1.2	405	1.4
82 TO 86	7.5	7.6	4.0	16.8	22.0	16.9	14.8	7.6	2.6	1248	4.3
77 TO 81	7.4	7.3	5.3	14.6	21.2	18.6	12.2	9.3	4.4	2338	8.0
72 TO 76	8.2	7.0	6.0	9.6	20.0	19.1	12.7	9.3	8.1	3304	11.3
67 TO 71	9.8	9.3	9.2	9.2	16.7	15.8	10.9	10.0	9.0	2987	10.2
62 TO 66	10.6	10.7	9.1	9.4	16.6	13.1	10.8	10.7	8.8	2747	9.4
57 TO 61	12.7	9.5	6.4	9.3	16.2	14.4	10.6	13.3	7.6	2398	8.2
52 TO 56	14.5	9.3	7.0	8.4	15.0	11.8	10.3	15.1	8.5	2466	8.4
47 TO 51	17.3	9.4	6.6	9.1	13.3	8.6	10.8	16.1	8.7	2542	9.7
42 TO 46	18.6	10.0	6.9	7.7	11.4	7.6	10.5	18.1	9.2	2378	8.1
37 TO 41	21.5	10.2	6.9	5.6	7.9	7.7	10.0	19.8	10.5	2166	7.5
32 TO 36	22.9	10.5	6.6	4.2	7.3	6.8	8.4	22.7	10.6	1748	6.0
27 TO 31	25.7	7.8	6.8	3.7	8.3	4.5	6.3	21.9	13.1	1198	4.1
22 TO 26	30.3	8.2	3.8	2.1	5.0	4.5	8.9	25.9	11.2	706	2.4
17 TO 21	31.5	8.3	2.4		4.5	2.1	11.9	26.9	10.1	286	1.0
12 TO 16	46.7	2.5	1.6		.8	5.7	8.2	23.8	10.7	122	.4
7 TO 11	23.4	8.5	2.1		4.3	2.1	21.3	31.9	6.4	47	.2
2 TO 6	18.2	9.1					27.3	36.4	9.1	11	.0
-3 TO 1	16.7						16.7	66.7		6	.0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.6	8.9	6.7	8.8	14.7	12.4	11.1	14.4	8.4	29210	100.0

NAVWEASERVCOM

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HOURS (L S Y)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION PATENT RIVER, MARYLAND

73-74

YEARS

JUL

MONTH

PAGE 1

HOURS - L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
67-73										.0								1		1																
67-72										.2								6		6																
67-71									.1	.1								2		2																
67-80							.1	.3	.4									14		14																
67-87					.1	.1	.3	.5	.7	.0								27		27																
67-84				.7	.2	.3	.7	.5	.2	.1								48		48																
67-83		.1		.1	.4	.7	1.0	.5	.3	.1	.7							76		76																
67-81			.7	.5	1.2	1.5	1.3	.4	.3	.3	.1							141		141		1														
67-75			.3	1.4	1.6	1.7	1.1	.7	.3	.2								179		179		5		1												
70-77		.3	1.2	2.2	2.3	1.7	.9	.5	.2	.7								212		212		31		2												
70-75	.1	.3	1.5	3.2	1.6	.7	1.1	.7	.7	.2								249		249		75		23												
67-73	.2	1.5	2.5	2.4	1.4	.7	1.6	.7	.2	.0								252		262		189		54												
67-71	.2	1.5	2.4	2.2	1.1	.9	1.7	.4	.2	.1								250		260		296		145												
67-69	.3	2.0	2.4	2.1	1.2	.3	.2	.4	.1									237		237		332		274												
67-67	.3	1.3	2.5	1.3	1.4	.9	.3	.1	.0									198		198		274		305												
67-65	.4	1.3	1.9	1.2	1.2	.4	.2	.1										151		161		240		240												
64-65	.7	.6	1.6	1.4	.8	.7	.5	.1										117		117		240		219												
62-61	.2	.7	.9	.9	.5	.2	.0											80		80		205		209												
67-59	.7	.5	.9	.5	.4	.1												56		56		150		164												
67-57	.7	.2	.5	.5	.0	.1	.0											36		36		133		151												
67-55		.2	.4	.2	.3													26		26		94		137												
64-53		.1	.1			.7												5		5		48		137												
67-51		.0																1		1		35		101												
60-47																						12		91												
67-47																						9		54												
65-45																						1		47												
47-43																																				
62-41																																				
67-39																																				
67-37																																				
67-35																																				
64-33																																				
TOTAL	7.7	11.6	10.5	20.3	15.7	10.6	9.3	6.1	3.0	1.6	.7							2400		2400		2400		2400												
Element (X)	Σx²					Σx					x̄					σx					No. Obs.					Mean No. of Hours with Temperature										
Rel. Hum.	12458090					168796					70.7					15.634					2400					≥67 F					≥73 F					
Dry Bulb	1254764					174188					72.6					7.14					2400					≥67 F					≥73 F					
Wet Bulb	1422389					157300					65.8					6.14					2400					≥67 F					≥73 F					
Dew Point	1257511					147803					61.6					7.74					2400					≥67 F					≥73 F					

NAVWEASERVCOM

2

73-92

JUL

PAGE 1

HOURS 11.5 Y

[illegible]

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13721

STATION

PATUXENT RIVER, MARYLAND

STATION NAME

73-82

YEARS

PSYCHROMETRIC SUMMARY

1701	PATUENT RIVER, MARYLAND
STATION	STATION NAME

73-02

YEAR

955
MONTH

PAGE 1

HOURS (LST)

[illegible]

0210 20127 54321

357

STATION

STATION NAME

YEAR:

MD 48

PAGE 1

HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

73-22

YEAR:

CCY

MONTH

PAGE 2

HOURS (15 Y)

[illegible]

PSYCHROMETRIC SUMMARY

1771 PATENT RIVER, MARYLAND

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL																														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																																								
17/81																																1	1																											
17/79																																1	1																											
73/77																																12	12																											
17/75																																5	5																											
47/73																																10	10																											
17/71																																20	20																											
17/69																																34	34	5																										
17/67																																58	58	10	3																									
67/65																																73	73	25	17																									
17/63																																91	91	62	30																									
17/61																																104	104	79	50																									
17/59																																110	110	86	70																									
17/57																																121	121	91	54																									
17/55																																126	126	103	74																									
17/53																																165	165	109	71																									
27/51																																166	166	119	93																									
27/49																																207	207	158	105																									
17/47																																190	190	163	116																									
17/45																																198	199	183	121																									
47/43																																153	153	177	121																									
17/41																																150	150	203	105																									
47/39																																113	113	197	144																									
17/37																																99	99	162	128																									
17/35																																66	66	144	143																									
38/33																																60	60	119	142																									
17/31																																31	31	97	134																									
17/29																																20	20	63	108																									
17/27																																8	8	24	131																									
17/25																																4	4	16	127																									
24/23																																1	1	9	121																									
17/21																																2	2	1	81																									
17/19																																			1																									
17/17																																			10																									
17/15																																			11																									
Element (X)	ΣX ²					ΣX					X̄					σ _X					No. Obs.					Mean No. of Hours with Temperature																																		
Rel. Hum.																										≤0 F					≤32 F					≥67 F					≥73 F					≥80 F					≥93 F					Total				
Dry Bulb																																																												
Wet Bulb																																																												
Dew Point																																																												

PSYCHROMETRIC SUMMARY

PATXENT RIVER, MARYLAND
STATION NAME

73-02

YEARS

NOV
1967

PAGE 2

NAVWEASERVCOM

2

PSYCHROMETRIC SUMMARY

1721
STATION

PATUMENT RIVER, MARYLAND
STATION NAME

73-82

YEARS

DEC

MONT

PAGE 1

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
47 / 73				.0		.1												3	3														
57 / 71				.1														2	2														
67 / 69			.0	.0	.0	.0	.0											11	11														
77 / 67			.0	.0	.3		.0											14	14	2													
87 / 65			.4	.3		.0	.0		.1									29	28	10													
97 / 63		.0	.2	.2		.0	.1	.1		.1								18	18	3	10												
107 / 61		.0	.2	.1	.0	.1	.0	.0										19	19	17	9												
117 / 59	.0	.2	.3	.4	.2	.1		.0										32	32	25	12												
127 / 57		.2	.4	.2	.2	.3	.2	.1	.0									42	42	18	19												
137 / 55	.0	1.0	.0	.3	.1	.3	.2	.1	.0									72	72	31	26												
147 / 53	.1	.9	.6	.3	.4	.5	.2	.0										76	76	56	26												
157 / 51	.0	1.3	.6	.2	.7	.5	.2	.1										86	88	60	53												
167 / 49	.0	1.2	.7	.6	.7	.4	.2											103	103	73	55												
177 / 47	.0	1.5	.9	.9	.0	1.0	.2											140	140	66	60												
187 / 45	.0	1.7	1.0	1.7	1.2	.6	.1											183	183	110	70												
197 / 43	.0	2.5	1.7	1.3	1.4	.3												193	183	177	55												
207 / 41	.4	1.4	2.8	1.7	1.3	.3												208	208	167	79												
217 / 39	.4	2.4	2.3	2.7	1.3	.2												230	231	193	104												
227 / 37	.0	2.1	2.1	3.6	1.1	.0												236	236	238	130												
237 / 35	.1	2.7	2.3	2.1	.7													177	177	201	117												
247 / 33	.2	1.7	2.3	1.7	.3													146	146	237	184												
257 / 31	.3	1.7	1.7	1.7	.3													123	123	200	164												
267 / 29	.1	1.3	1.3	1.1	.1													102	102	165	140												
277 / 27	.0	.3	1.4	.7														74	74	125	126												
287 / 25	.0	.7	1.4	.2														59	59	101	143												
297 / 23		.6	.9	.1														41	41	91	147												
307 / 21		.6	.6															32	32	60	150												
317 / 19		.4	.7															17	17	38	111												
327 / 17		.1	.2															7	7	26	97												
337 / 15		.1	.2															8	8	10	86												
347 / 13		.0	.0															2	2	6	92												
357 / 11		.0																1	1	4	60												
367 / 9																				2	51												
377 / 7																					27												
Element (X)	ΣX^2			ΣX			\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature																				
Rel. Hum.													≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total								
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

1721	PATUMENT RIVER, MARYLAND
STATION	STATION NAME

73-22

YEARS

DEC
MONT

PAGE 2

MOORE, J. S. ?

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
✓ / ✓																						21										
✓ / ✓																						17										
✓ / ✓																						9										
✓ / -																						4										
- ✓ / -																						3										
- ✓ / -																						1										
- ✓ / -																						2										
TOTAL	3.326	3.328	9.22	3.11	3.50	1.6	.5	.2											2477	2479	2477	2477										
					</																											

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

17721	PATIENT RIVER, MARYLAND
STATION	STATION NAME

73-42

YEARS

ALL

MONTH

PAGE 1

HOURS 11.57

[illegible]

VWVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION PATUXENT RIVER, MARYLAND STATION NAME 10-70 YEARS ALL MONTH ALLPAGE 2
HOURS: L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
33	.1	.5	.9	.7	.2	.0												681	581	939	1017														
31	.1	.5	.6	.5	.1													551	552	824	933														
29	.1	.5	.7	.4	.0													509	511	704	807														
27	.1	.4	.6	.3	.0													427	427	623	841														
25	.1	.4	.6	.2														343	343	494	827														
23	.0	.3	.5	.1														256	256	428	747														
21	.0	.3	.3	.0														184	184	353	653														
19	.0	.2	.2	.0														128	128	255	504														
17	.0	.1	.2	.0														81	81	143	490														
15	.0	.1	.1															65	65	113	384														
13	.0	.1	.1															47	47	61	362														
11	.0	.1	.0															25	25	54	333														
9		.1	.0															21	21	29	260														
7		.0	.0															11	11	21	185														
5		.0	.0															9	9	11	135														
3	.0	.0	.0															2	2	12	93														
1		.0																2	2	1	77														
-1	.0																	2	2	4	33														
-3	.0																	2	2	2	42														
-5																					24														
-7																					22														
-9																					14														
-11																					6														
-13																					6														
-15																					6														
-17																					4														
-19																					6														
-21																					2														
-23/-27																					1														
TAL	4.3	10.8	23.5	19.7	13.4	9.7	5.7	3.2	1.7	.8	.2	.1	.0		.0			29203		29210		29203													
																		29203		29203															
Element (X)	ΣX ²			ΣX			X̄			σ _X			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.	145272581			1998867			68.4			17.594			29203			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F				Total										
Dry Bulb	183998076			1667666			57.1			17.335			29203			1.2	798.9	3111.0	2007.2	759.4	16.2			8760.0											
Wet Bulb	25160703			1504991			51.5			16.132			29203			1.8	1239.7	2006.0	793.7	25.5			8760.0												
Dew Point	71796978			1340378			45.9			18.753			29203			49.1	2336.5	1448.8	530.9	4.8			8760.0												

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 PATUXENT RIVER, MARYLAND

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	32.3	33.8	43.0	51.5	60.0	68.1	72.9	72.7	67.2	55.0	47.5	39.0	53.7	
	S. D.	10.161	10.341	9.199	8.071	6.898	5.665	4.428	4.615	5.850	8.138	9.151	9.758	16.171	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
04	MEAN	31.5	32.8	41.6	49.9	58.7	66.8	71.7	71.6	66.0	54.0	46.4	38.2	52.5	
	S. D.	10.307	10.731	9.215	8.070	6.936	5.685	4.505	4.489	5.971	8.161	9.141	9.834	16.120	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
07	MEAN	31.0	31.8	41.6	52.0	61.5	70.2	74.3	73.5	67.0	54.0	45.7	37.5	53.4	
	S. D.	10.648	10.771	9.222	7.831	6.657	5.078	4.179	4.271	5.792	8.101	9.359	10.252	17.211	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	35.4	38.3	48.4	58.9	67.2	75.5	80.2	79.8	73.6	61.5	52.7	42.6	59.6	
	S. D.	10.137	11.204	10.051	9.434	7.781	5.981	5.146	5.276	6.540	7.858	9.141	9.425	17.507	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	38.7	41.9	51.5	61.7	70.1	78.3	83.1	82.9	76.7	64.9	56.3	45.9	62.8	
	S. D.	10.369	11.697	10.502	9.623	7.992	6.311	5.513	5.837	6.782	8.452	9.922	9.877	17.552	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	38.5	41.8	51.4	61.5	69.7	78.0	83.0	82.3	75.8	63.7	54.8	44.7	62.2	
	S. D.	10.258	11.354	9.586	9.356	7.920	6.384	5.350	5.464	6.341	8.052	9.336	9.178	17.394	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	34.5	36.9	46.8	56.4	65.3	74.0	78.8	77.2	70.3	57.9	49.7	40.6	57.5	
	S. D.	10.027	10.131	8.670	8.334	6.972	5.618	4.648	4.899	5.825	7.699	8.822	9.103	17.012	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650	
22	MEAN	33.2	35.2	44.7	53.4	61.9	69.8	74.6	74.2	68.3	56.1	48.5	39.5	55.1	
	S. D.	10.003	10.379	9.030	8.224	7.014	5.628	4.434	4.635	5.724	7.981	9.327	9.381	16.319	
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650	
ALL HOURS	MEAN	34.4	36.6	46.1	55.7	64.3	72.6	77.3	76.8	70.6	58.4	50.2	41.0	57.1	
	S. D.	10.600	11.419	10.174	9.666	8.369	7.146	6.394	6.470	7.269	9.046	9.969	10.017	17.337	
	TOTAL OBS	2478	2256	2480	2399	2480	2400	2479	2480	2400	2480	2400	2478	29210	

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 PATUXENT RIVER, MARYLAND

73-82

STATION		STATION NAME											YEARS															
HRS.(L.S.T.)		JAN.		FEB.		MAR.		APR.		MAY		JUN.		JUL.		AUG.		SEP.		OCT.		NOV.		DEC.		ANNUAL		
01	MEAN	29.6	30.6	38.8	46.2	55.9	63.9	68.8	69.1	63.5	51.4	43.7	35.6	49.9														
	S. D.	10.072	9.720	8.689	7.781	7.060	6.125	4.716	4.901	6.450	8.494	9.399	9.761	15.983														
	TOTAL OBS	309	282	310	300	310	300	310	310	310	299	310	300	310	3650													
04	MEAN	28.9	29.9	38.0	45.3	55.1	63.1	68.1	68.5	62.8	50.8	43.0	35.0	49.1														
	S. D.	10.277	10.122	8.959	7.968	7.478	6.103	4.898	4.906	6.656	8.640	9.489	9.824	16.070														
	TOTAL OBS	308	282	310	300	310	300	310	310	310	299	310	300	310	3649													
07	MEAN	28.5	29.2	38.1	47.0	57.2	65.3	69.8	69.8	63.8	50.9	42.6	34.4	49.8														
	S. D.	10.584	10.313	9.085	7.858	7.295	5.705	4.715	4.886	6.527	8.541	9.635	10.173	16.836														
	TOTAL OBS	309	282	310	300	310	300	310	310	310	300	310	300	310	3651													
10	MEAN	31.7	33.5	42.2	49.9	59.5	67.2	71.8	72.1	66.3	54.8	46.8	38.0	52.9														
	S. D.	9.938	10.251	9.152	8.219	7.369	5.720	4.789	5.008	6.425	8.202	9.266	9.401	16.154														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	309	3651													
13	MEAN	33.6	35.5	43.8	51.2	60.8	68.0	72.7	72.8	67.3	56.1	48.5	39.8	54.3														
	S. D.	9.567	9.806	8.783	7.994	7.171	5.852	4.922	5.097	6.371	8.136	9.344	9.238	15.715														
	TOTAL OBS	310	281	310	300	310	300	310	310	310	300	310	299	310	3650													
16	MEAN	33.5	35.5	43.7	51.1	60.6	67.9	72.5	72.5	66.9	55.7	47.7	38.9	54.0														
	S. D.	9.539	9.555	8.059	7.630	7.099	5.862	4.928	4.923	6.188	7.999	9.076	8.736	15.614														
	TOTAL OBS	310	282	310	300	310	300	310	310	310	300	310	300	310	3652													
19	MEAN	31.0	32.8	41.2	48.7	58.6	66.2	70.9	70.7	64.7	52.9	44.9	36.6	51.7														
	S. D.	9.821	9.327	8.048	7.524	6.954	5.812	4.651	5.010	6.295	8.217	9.177	9.114	15.915														
	TOTAL OBS	310	282	310	300	310	300	309	310	300	300	310	300	309	3650													
22	MEAN	30.1	31.6	40.1	47.3	57.2	64.6	69.6	69.7	64.0	51.9	44.1	33.9	50.6														
	S. D.	9.842	9.467	8.533	7.679	7.067	6.024	4.738	4.931	6.324	8.353	9.515	9.331	15.901														
	TOTAL OBS	310	282	310	299	310	300	310	310	310	300	310	300	309	3650													
ALL HOURS	MEAN	30.9	32.3	40.7	48.3	58.1	65.8	70.5	70.7	64.9	53.1	45.2	36.8	51.5														
	S. D.	10.109	10.071	8.940	8.101	7.437	6.141	5.051	5.181	6.584	8.563	9.580	9.616	16.133														
	TOTAL OBS	2476	2255	2480	2399	2480	2400	2479	2480	2398	2480	2399	2477	2920														

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13721 PATUXENT RIVER, MARYLAND

73-82

STATION		STATION NAME												YEARS
HRS.(LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	23.3	24.1	32.7	40.1	52.5	61.1	66.6	67.2	61.1	47.9	38.8	29.7	45.5
	S. D.	13.134	12.314	11.227	10.237	8.922	7.550	5.794	5.857	7.854	10.186	11.808	12.536	18.492
	TOTAL OBS	309	282	310	300	310	300	310	310	299	310	300	310	3650
04	MEAN	23.0	23.7	32.3	40.0	51.9	60.8	66.2	66.8	60.8	47.6	38.6	29.3	45.2
	S. D.	13.403	12.558	11.506	10.174	9.318	7.275	6.033	5.910	8.016	10.304	11.728	12.466	18.524
	TOTAL OBS	308	282	310	300	310	300	310	310	299	310	300	310	3649
07	MEAN	22.7	23.2	32.6	41.4	53.7	62.3	67.4	67.8	61.7	47.7	38.3	28.9	45.8
	S. D.	13.485	12.749	11.728	10.345	9.559	7.269	6.159	6.028	7.934	10.261	11.705	12.573	19.094
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651
10	MEAN	23.9	24.6	33.9	40.4	53.6	62.3	67.7	68.3	62.0	48.9	40.0	30.9	46.5
	S. D.	13.585	13.378	12.264	11.505	10.216	7.588	6.334	6.385	8.208	10.924	12.265	12.595	18.958
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
17	MEAN	24.1	24.5	33.8	40.3	53.8	61.9	67.6	67.8	61.7	48.4	39.6	30.7	46.3
	S. D.	13.330	13.173	12.124	11.752	10.420	8.296	6.856	6.738	8.481	11.186	12.741	12.833	18.976
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	299	310	3650
18	MEAN	24.0	24.8	33.7	40.3	53.6	61.9	67.3	67.7	61.5	48.5	39.6	30.1	46.2
	S. D.	13.479	12.763	11.742	11.461	10.412	8.258	6.980	6.662	8.531	11.068	12.654	12.564	18.871
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	23.8	24.8	33.4	40.2	53.3	61.4	66.9	67.2	61.2	48.2	38.9	29.7	45.8
	S. D.	13.261	12.533	11.226	11.007	9.808	8.077	6.423	6.567	7.939	10.439	12.064	12.304	18.586
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	309	3650
22	MEAN	23.4	24.5	33.5	40.3	53.5	61.3	66.9	67.4	61.2	47.9	38.7	29.8	45.8
	S. D.	13.059	12.090	11.297	10.593	8.846	7.544	6.008	6.138	7.832	10.287	12.052	12.247	18.495
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
ALL HOURS	MEAN	23.5	24.3	33.3	40.4	53.2	61.6	67.1	67.5	61.4	48.1	39.1	29.9	45.9
	S. D.	13.332	12.692	11.643	10.892	9.713	7.749	6.345	6.301	8.100	10.582	12.128	12.513	18.753
	TOTAL OBS	2476	2255	2480	2399	2480	2400	2479	2480	2398	2480	2399	2477	29203

NAVWEASERVCOM

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.7	99.0	87.4	69.9	50.2	31.4	12.3	70.7	309
	04	100.0	99.7	99.7	98.7	88.6	72.1	52.6	37.3	15.3	72.2	308
	07	100.0	100.0	99.7	98.4	89.3	71.8	53.4	37.2	17.2	72.6	309
	10	100.0	100.0	99.4	94.8	71.6	49.7	37.1	26.8	10.6	64.8	310
	13	100.0	100.0	97.1	80.0	59.0	37.1	28.7	16.8	7.7	58.3	310
	16	100.0	100.0	95.5	78.7	57.7	41.3	31.0	19.7	6.1	58.6	310
	19	100.0	100.0	99.4	95.5	78.7	57.7	42.6	25.5	9.0	66.5	310
	22	100.0	100.0	99.4	96.8	85.2	64.5	46.5	28.4	11.3	69.0	310
TOTALS		100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476

RELATIVE HUMIDITY

13721
STATIONPATUXENT RIVER, MARYLAND
STATION NAME73-82
PERIODFEB
MONTHCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	96.8	84.8	68.4	51.4	29.1	8.2	69.2	282
	04	100.0	100.0	100.0	97.9	88.3	70.9	54.3	33.0	8.2	70.6	282
	07	100.0	100.0	99.6	98.6	92.2	74.8	53.9	36.5	8.5	71.8	282
	10	100.0	100.0	98.2	85.8	64.5	41.1	29.8	20.2	6.7	60.0	282
	13	100.0	98.6	89.0	65.5	45.9	32.0	21.4	16.0	4.6	53.3	281
	16	100.0	99.3	91.1	69.5	48.9	32.6	23.8	18.1	5.7	54.4	282
	19	100.0	100.0	98.2	90.8	73.0	52.5	37.6	21.6	7.1	63.6	282
	22	100.0	100.0	100.0	93.6	80.1	63.5	43.6	26.2	6.0	66.8	282
TOTALS		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	99.7	96.1	83.2	64.5	50.0	27.4	12.9	69.1	310
	04	100.0	100.0	100.0	98.1	86.8	67.4	53.5	33.5	13.5	71.2	310
	07	100.0	100.0	100.0	97.4	89.0	69.4	52.6	37.7	13.5	72.2	310
	10	100.0	100.0	97.4	85.5	56.8	43.5	29.7	21.3	8.1	60.1	310
	13	100.0	99.4	90.0	71.0	48.7	33.2	25.5	17.1	6.5	54.6	310
	16	100.0	99.0	89.7	69.7	49.0	36.1	26.5	16.5	6.1	54.7	310
	19	100.0	99.7	98.1	85.8	67.7	51.0	34.5	21.9	7.4	62.2	310
	22	100.0	100.0	99.7	93.5	75.5	61.0	45.8	28.1	11.0	67.0	310
TOTALS		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480

NAVWEASERVCOM

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	99.0	95.3	82.0	66.7	43.3	21.7	6.0	67.0	300
	04	100.0	100.0	100.0	99.0	88.0	72.0	52.7	26.3	7.3	70.2	300
	07	100.0	100.0	99.7	98.3	85.7	63.7	48.3	24.3	6.3	68.7	300
	10	100.0	100.0	93.0	70.7	47.3	30.3	18.3	10.0	1.7	52.8	300
	13	100.0	99.7	83.0	60.0	38.3	25.3	15.3	8.3	1.7	48.6	300
	16	100.0	97.7	82.0	61.3	40.3	26.3	17.3	7.0	2.3	49.1	300
	19	100.0	99.7	94.0	80.3	56.0	42.3	27.0	12.7	2.7	57.5	300
	22	100.0	100.0	98.0	91.0	71.9	56.2	38.5	17.4	4.0	63.6	299
TOTALS		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399

NAVWEASERVCOM

MAY

NORTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

JUN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.0	94.0	76.3	47.3	16.3	79.1	300
	04	100.0	100.0	100.0	100.0	99.7	96.3	84.7	55.3	19.0	81.6	300
	07	100.0	100.0	100.0	100.0	99.3	91.7	70.0	40.7	11.7	76.8	300
	10	100.0	100.0	100.0	97.3	86.7	59.7	34.7	15.0	3.3	65.0	300
	13	100.0	100.0	99.3	89.7	68.7	42.7	24.3	8.0	2.3	59.0	300
	16	100.0	100.0	99.3	88.0	71.3	43.3	25.7	11.3	2.3	59.6	300
	19	100.0	100.0	100.0	96.7	83.3	62.7	40.3	20.7	5.0	66.3	300
	22	100.0	100.0	100.0	100.0	98.0	89.0	65.3	35.7	8.7	75.3	300
TOTALS		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400

NAVWEASERVCOM

RELATIVE HUMIDITY

13721

PATUXENT RIVER, MARYLAND

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	99.7	95.8	80.6	56.5	21.9	81.3	310
	04	100.0	100.0	100.0	99.7	99.0	96.8	88.1	65.2	24.5	83.6	310
	07	100.0	100.0	100.0	99.7	98.7	92.3	80.3	54.8	17.1	80.0	310
	10	100.0	100.0	100.0	99.4	89.4	67.4	38.7	13.5	2.6	66.9	310
	13	100.0	100.0	99.7	95.2	76.1	50.6	21.6	8.7	2.6	61.0	310
	16	100.0	100.0	100.0	93.9	72.9	48.4	23.2	9.4	1.9	60.7	310
	19	100.0	100.0	100.0	100.0	89.3	69.9	45.0	19.1	4.9	68.2	309
	22	100.0	100.0	100.0	100.0	99.4	93.2	72.6	43.9	13.9	77.7	310
TOTALS		100.0	100.0	100.0	98.5	90.6	76.8	56.3	33.9	11.2	72.4	2479

NAVWEASERVCOM

RELATIVE HUMIDITY

13721

PATUXENT RIVER, MARYLAND

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	99.7	97.7	90.6	65.8	21.6	83.4	310
	04	100.0	100.0	100.0	99.7	99.4	98.4	92.3	74.8	25.8	85.3	310
	07	100.0	100.0	100.0	100.0	99.4	98.4	89.4	63.9	23.2	83.1	310
	10	100.0	100.0	100.0	99.4	95.5	73.5	43.2	16.1	3.2	68.9	310
	13	100.0	100.0	100.0	97.1	77.7	51.9	25.5	6.8	1.0	61.6	310
	16	100.0	100.0	100.0	96.1	80.3	55.2	30.0	7.7	1.6	62.5	310
	19	100.0	100.0	100.0	99.4	95.8	82.3	56.1	28.1	7.4	72.3	310
	22	100.0	100.0	100.0	99.7	99.0	95.2	83.5	48.4	13.5	80.0	310
TOTALS		100.0	100.0	100.0	98.9	93.4	81.6	63.8	39.0	12.2	74.6	2460

NAVWEASERVCOM

SEP
MONT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	98.0	93.6	83.9	57.9	22.1	81.6	299
	04	100.0	100.0	100.0	100.0	99.7	95.3	88.6	68.9	26.4	84.1	299
	07	100.0	100.0	100.0	100.0	100.0	94.7	87.0	64.7	27.7	83.8	300
	10	100.0	100.0	100.0	99.7	90.3	70.0	43.7	18.0	6.0	68.3	300
	13	100.0	100.0	99.7	95.3	73.0	49.0	25.0	11.7	4.3	61.6	300
	16	100.0	100.0	99.7	93.3	78.7	52.3	28.0	14.3	5.7	62.8	300
	19	100.0	100.0	100.0	99.7	96.0	85.7	61.0	30.7	9.3	73.7	300
	22	100.0	100.0	100.0	100.0	97.7	92.0	78.0	49.3	15.0	78.8	300
TOTALS		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398

NAVWEASERVCOM

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	99.0	91.3	71.6	43.9	14.8	77.8	310
	04	100.0	100.0	100.0	100.0	98.4	90.6	74.5	52.9	18.7	79.8	310
	07	100.0	100.0	100.0	100.0	98.7	91.3	75.2	54.5	21.9	80.3	310
	10	100.0	100.0	100.0	96.8	78.4	57.1	35.5	20.0	6.8	65.0	310
	13	100.0	100.0	98.4	83.9	59.4	36.8	20.6	13.5	2.6	57.2	310
	16	100.0	100.0	99.0	89.4	65.2	41.9	29.4	14.5	4.8	59.8	310
	19	100.0	100.0	100.0	99.7	91.6	75.2	50.0	27.7	10.0	71.2	310
	22	100.0	100.0	100.0	99.7	96.8	82.6	59.4	34.8	14.2	75.0	310
TOTALS		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480

RELATIVE HUMIDITY

13721

PATUXENT RIVER, MARYLAND

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	99.0	92.3	74.0	56.7	36.0	14.7	73.2	300
	04	100.0	100.0	100.0	99.3	94.3	81.0	63.3	41.7	16.0	75.5	300
	07	100.0	100.0	100.0	99.7	96.3	84.7	63.0	42.0	16.0	76.4	300
	10	100.0	100.0	100.0	96.3	73.3	48.7	35.3	20.7	8.7	64.0	300
	13	100.0	100.0	97.7	75.3	50.2	37.1	23.7	15.1	7.0	56.2	299
	16	100.0	100.0	98.7	81.0	59.0	42.0	30.7	19.3	6.0	59.2	300
	19	100.0	100.0	100.0	96.7	84.7	63.3	44.3	26.3	10.0	68.1	300
	22	100.0	100.0	99.7	99.0	86.0	69.0	50.3	31.0	10.0	70.3	300
TOTALS		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399

NAVWEASERVCOM

13721
STATION

PATUXENT RIVER, MARYLAND

73-82

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	98.1	86.5	67.1	51.9	30.3	9.4	70.5	310
	04	100.0	100.0	100.0	99.7	91.6	72.6	52.3	34.8	10.6	71.6	310
	07	100.0	100.0	100.0	99.0	93.2	74.5	56.1	32.3	10.0	72.2	310
	10	100.0	100.0	100.0	94.8	75.4	52.8	37.5	24.3	10.4	65.1	309
	13	100.0	100.0	96.8	80.0	56.8	38.4	28.7	17.4	7.1	58.0	310
	16	100.0	100.0	96.5	81.6	59.0	41.6	30.6	20.0	6.5	59.3	310
	19	100.0	100.0	99.4	95.1	78.0	63.1	42.1	26.5	6.8	66.8	309
	22	100.0	100.0	100.0	98.4	83.8	67.6	50.2	29.8	9.1	69.7	309
TOTALS		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477

RELATIVE HUMIDITY

13721 PATUXENT RIVER, MARYLAND

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.7	92.7	77.2	58.0	42.8	27.9	11.2	66.6	2476
FEB		100.0	99.7	97.0	87.3	72.2	54.5	39.5	25.1	6.9	63.7	2255
MAR		100.0	99.8	96.8	87.1	69.6	53.3	39.8	25.4	9.9	63.9	2480
APR		100.0	99.6	93.6	82.0	63.7	47.9	32.6	16.0	4.0	59.7	2399
MAY		100.0	100.0	98.2	93.2	82.0	68.7	52.2	33.9	13.1	70.0	2480
JUN		100.0	100.0	99.8	96.5	88.3	72.4	52.7	29.3	8.6	70.3	2400
JUL		100.0	100.0	100.0	98.5	90.6	76.8	56.3	33.9	11.2	72.4	2479
AUG		100.0	100.0	100.0	98.9	93.4	81.6	63.8	39.0	12.2	74.6	2480
SEP		100.0	100.0	99.9	98.5	91.7	79.1	61.9	39.4	14.6	74.3	2398
OCT		100.0	100.0	99.7	96.2	85.9	70.9	52.0	32.7	11.7	70.8	2480
NOV		100.0	100.0	99.5	93.3	79.5	62.5	45.9	29.0	11.1	67.9	2399
DEC		100.0	100.0	99.1	93.3	78.0	59.7	43.7	26.9	8.7	66.7	2477
TOTALS		100.0	99.9	98.5	93.1	81.0	65.5	48.6	29.9	10.3	68.4	29203

H

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

17701
STATION

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

JANUARY

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						60.0	40.0			5	.5
67 TO 71					16.7	50.0	33.3			6	.6
62 TO 66	12.5				2.0	50.0	12.5			5	.5
57 TO 61		5.1	2.6	5.3	16.8	21.1	13.4	10.5		39	1.5
52 TO 56	8.2	4.9	1.2	6.2	17.3	30.9	22.2	3.6	2.5	61	2.3
47 TO 51	13.3	5.3	3.3	10.0	18.7	14.3	23.3	8.3	4.0	100	3.1
42 TO 46	15.4	9.2	6.7	10.7	13.7	9.7	11.7	14.4	8.4	209	10.1
37 TO 41	19.3	8.6	5.1	3.2	9.3	8.4	12.6	17.3	11.4	420	17.7
32 TO 36	19.3	11.0	7.5	6.3	6.7	7.1	9.9	20.9	12.2	507	20.7
27 TO 31	26.2	4.1	8.2	3.1	9.4	4.1	12.1	20.3	12.3	413	16.7
22 TO 26	30.0	11.4	2.9	2.3	6.8	4.6	8.5	26.1	7.5	77	12.4
17 TO 21	27.9	3.3	3.3	.8	6.6	2.5	23.0	23.6	9.0	122	4.9
12 TO 16	41.5		1.5		1.5	4.6	15.4	23.1	12.3	65	2.6
7 TO 11	15.6		3.1		6.3	3.1	31.3	37.5	7.1	32	1.3
2 TO 6	20.0						30.0	40.0	10.0	10	.4
3 TO 1	16.7						16.7	66.7		6	.2
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
TOTALS	21.2	7.7	5.5	5.7	9.9	8.1	13.2	19.1	9.6	2474	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

FEBRUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						33.3	66.7			3	.1
72 TO 76					12.5	37.5	50.0			8	.4
67 TO 71				11.1	11.1	66.7	11.1			9	.4
62 TO 66	8.6			5.7	11.4	42.9	31.4			39	1.6
57 TO 61	2.9		1.5	4.4	17.6	42.6	25.0	4.4	1.5	68	3.0
52 TO 56	6.7	3.4	3.4	12.9	19.8	27.6	15.5	6.9	4.3	116	5.1
47 TO 51	10.1	9.7	3.4	16.3	18.5	12.9	13.5	12.4	3.9	178	7.9
42 TO 46	15.7	8.2	5.0	15.4	18.7	10.1	7.9	13.1	4.9	267	11.8
37 TO 41	19.9	10.5	8.6	8.6	10.8	9.1	7.2	17.5	7.8	361	16.0
32 TO 36	24.6	14.5	7.5	6.7	8.7	4.6	3.4	20.5	9.6	415	18.4
27 TO 31	23.1	14.3	6.1	5.3	9.0	3.2	4.0	22.5	12.5	377	16.7
22 TO 26	28.9	8.4	4.4	2.8	3.6	4.4	5.6	28.5	13.3	249	11.0
17 TO 21	31.3	10.7	1.8	5.4	2.7	1.8	1.8	35.7	8.9	112	5.0
12 TO 16	44.2	4.7	2.3			9.3		30.2	9.3	43	1.9
7 TO 11	42.9	28.5						21.4	7.1	14	.6
2 TO 6		100.0								1	.0
-3 TO -1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	20.6	10.4	5.6	8.1	10.9	9.6	7.5	19.0	8.4	2256	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

17001

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

MARCH

ALL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86							100.0			1	.0
77 TO 81						81.8	18.2			11	.4
72 TO 76					15.8	47.4	36.8			19	.8
67 TO 71			2.1	8.5	14.9	46.8	23.4	4.3		47	1.9
62 TO 66	6.6	3.9	3.9	5.8	15.5	35.9	17.5	10.7		103	4.2
57 TO 61	9.2	5.2	2.3	14.5	21.4	20.2	16.8	8.7	1.7	173	7.0
52 TO 56	10.8	10.5	6.7	16.7	20.2	12.0	7.9	12.3	2.9	342	13.8
47 TO 51	14.4	8.2	6.6	15.4	22.6	5.6	6.0	13.6	7.6	500	20.2
42 TO 46	15.6	13.0	8.8	10.5	16.3	3.7	5.3	17.5	9.3	486	19.6
37 TO 41	19.8	10.3	9.5	7.1	8.7	5.5	6.6	21.1	11.3	370	15.3
32 TO 36	26.4	7.2	6.4	2.4	6.4	3.6	10.4	28.4	8.8	250	10.1
27 TO 31	34.9	7.1	7.9	3.2	4.8	4.0	6.3	18.3	13.5	126	5.1
22 TO 26	52.0				4.0	8.0	12.0	16.0	8.0	28	1.0
17 TO 21	35.7	42.9						21.4		14	.6
12 TO 16	100.0									4	.2
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LWR											
TOTALS	10.7	9.1	6.9	10.4	15.3	9.5	8.6	16.3	7.3	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

13721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

APRIL
MONTH

ALL
NO. OF

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						33.3	66.7			3	.1
82 TO 86	3.8			15.4		26.9	34.6	19.2		26	1.1
77 TO 81		2.4		7.3	7.3	36.6	26.8	17.1	2.4	41	1.7
72 TO 76	5.0	1.3	1.3	10.0	17.5	36.3	25.0	3.8		89	3.3
67 TO 71	8.1	7.5	3.1	18.8	12.5	26.3	12.5	9.4	1.9	160	6.7
62 TO 66	6.4	4.3	4.6	12.9	26.1	22.1	9.3	11.4	2.9	280	11.7
57 TO 61	9.6	8.2	5.3	14.2	21.6	11.8	10.7	13.3	5.3	450	18.8
52 TO 56	14.9	9.3	7.5	9.3	19.7	5.6	7.9	16.8	8.9	517	21.6
47 TO 51	16.0	7.8	8.0	11.8	12.4	4.7	9.3	21.7	8.4	451	18.8
42 TO 46	17.4	7.5	7.9	4.3	11.9	4.3	10.7	28.1	7.9	253	10.5
37 TO 41	20.2	3.1	1.0	1.0	2.1	3.1	5.2	34.4	19.8	96	4.0
32 TO 36	24.3			2.7		2.7		51.4	18.9	37	1.5
27 TO 31	40.0							60.0		5	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.0	7.0	5.8	10.8	16.5	11.4	10.5	18.0	6.9	2399	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSMAY
MONTHALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							33.3	66.7		3	.1
82 TO 86		2.2		13.0	17.4	32.6	19.6	13.0	2.2	46	1.9
77 TO 81	7.1	8.4	3.2	20.6	19.4	13.5	18.1	9.0	.6	155	6.3
72 TO 76	6.6	10.4	2.4	13.8	26.6	19.7	8.7	9.0	2.8	289	11.7
67 TO 71	8.8	8.4	3.8	17.0	24.3	15.1	8.4	7.3	6.9	477	19.2
62 TO 66	10.6	9.9	8.8	14.9	22.2	8.6	8.5	9.3	7.6	603	24.3
57 TO 61	15.2	10.9	10.5	11.2	17.9	8.7	6.7	10.7	8.3	448	18.1
52 TO 56	17.1	9.7	8.4	8.7	11.4	7.0	8.1	18.5	11.1	299	12.0
47 TO 51	22.0	7.6	11.4	4.5	5.3	7.6	9.8	18.2	13.6	132	5.3
42 TO 46	25.0	3.6				3.6	10.7	39.3	17.9	28	1.1
37 TO 41	100.0									1	.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.8	9.3	6.9	13.3	19.6	11.6	9.0	11.2	7.3	2480	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION1721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSJUNE
MONTHALL
HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		8.3		8.3	8.3	33.3	33.3	8.3		12	.5
87 TO 91	4.5			6.8	18.2	31.8	34.1	4.5		44	1.8
82 TO 86	7.6	3.8	1.4	16.6	20.9	19.4	20.4	7.1	2.8	211	8.8
77 TO 81	6.5	5.8	4.7	18.4	27.4	12.1	12.4	10.1	2.5	445	18.5
72 TO 76	7.8	6.2	5.7	10.8	23.3	21.6	10.6	9.0	4.9	630	26.3
67 TO 71	9.4	7.8	7.5	7.6	23.1	14.8	9.5	12.7	7.6	576	24.0
62 TO 66	13.0	13.6	9.9	6.8	14.6	10.2	8.4	12.7	10.8	323	13.5
57 TO 61	19.7	11.0	5.5	4.7	6.3	7.1	10.2	20.5	15.0	127	5.3
52 TO 56	18.8	21.9	15.6				12.5	15.6	15.6	32	1.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.3	7.7	6.1	10.9	21.3	15.7	11.8	11.0	6.3	2400	100.0

NAVWEASERVCOM

IC

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

13721

PATUXENT RIVER, MARYLAND

JANUARY 1973-DECEMBER 1982

JULY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				20.0	40.0		40.0			5	.2
92 TO 96	5.7	2.9	2.9	11.4	14.3	11.4	40.0	8.6	2.9	35	1.4
87 TO 91	9.6	3.6	4.8	16.8	18.6	12.6	16.8	15.6	1.8	167	6.7
82 TO 86	8.7	9.2	3.4	18.6	22.9	15.2	10.1	8.4	3.6	415	16.7
77 TO 81	7.1	8.6	4.4	12.9	20.4	19.0	10.7	10.4	6.5	675	27.2
72 TO 76	9.2	8.2	5.9	7.1	16.6	15.1	14.9	10.6	12.4	743	30.0
67 TO 71	10.7	9.3	7.0	4.6	10.7	15.7	13.3	13.9	15.1	345	13.9
62 TO 66	12.5	10.2	4.5	1.1	4.5	13.6	14.8	18.2	20.5	88	3.5
57 TO 61	16.7					16.7	33.3	16.7	16.7	6	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.8	8.2	5.0	10.8	17.5	15.9	13.3	11.2	9.1	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17701 PATUXENT RIVER, MARYLAND JANUARY 1973-DECEMBER 1982 AUGUST ALL
STATION STATION NAME YEARS MONTH HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			1	.0
92 TO 96	6.5			6.5	9.7	16.1	32.3	29.0		31	1.3
87 TO 91	5.9	3.3	4.6	17.6	19.0	15.7	16.3	16.3	1.3	153	6.2
82 TO 86	8.0	10.2	6.7	16.7	21.6	14.7	13.2	6.5	2.5	402	16.2
77 TO 81	9.4	6.6	7.3	11.3	19.0	20.6	11.5	9.4	5.8	617	24.9
72 TO 76	8.8	6.9	6.9	6.9	15.8	19.6	12.4	10.4	12.3	797	32.1
67 TO 71	16.0	11.5	16.6	1.1	10.1	9.6	11.0	9.8	14.3	356	14.4
62 TO 66	20.2	15.2	11.1	1.0	8.1	8.1	7.1	12.1	17.2	99	4.0
57 TO 61	40.9	4.5	4.5		4.5	4.5	4.5	13.6	22.7	22	.9
52 TO 56				50.0	50.0					2	.1
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.4	8.0	8.3	9.2	16.5	16.7	12.3	9.9	8.8	2480	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

SEPTEMBER
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					66.7			33.3		3	.1
87 TO 91	8.6	2.9	2.9	14.3	22.9	20.0	22.9	5.7		35	1.5
82 TO 86	6.1	5.3	4.5	15.9	29.5	13.6	18.2	6.8		132	5.5
77 TO 81	7.2	9.0	5.1	18.8	22.1	18.2	9.3	7.8	2.7	335	14.0
72 TO 76	8.5	7.3	8.3	13.2	22.4	16.5	9.4	8.2	6.1	575	24.0
67 TO 71	10.0	13.2	15.8	8.2	11.3	10.4	9.0	10.8	11.4	613	25.5
62 TO 66	13.4	19.1	16.9	3.1	6.4	5.9	7.5	12.9	14.9	456	19.0
57 TO 61	13.8	14.3	7.4	2.1	3.2	10.1	11.1	21.7	16.4	189	7.9
52 TO 56	17.5	10.5	5.3		1.8	7.0	12.3	22.8	22.8	57	2.4
47 TO 51		60.0					40.0			5	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.1	11.8	11.0	9.7	14.9	12.3	9.8	11.0	9.4	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

OCTOBER
MONTH

ALL
HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	6.7				6.7	53.3	26.7	6.7		15	.6
77 TO 81	9.5	2.4		9.5	26.2	28.6	16.7	4.8	2.4	42	1.7
72 TO 76	8.5	.8	5.4	11.5	27.7	19.2	17.7	6.9	2.3	130	5.2
67 TO 71	10.4	8.9	8.6	14.1	18.2	14.9	11.9	7.4	5.6	269	10.8
62 TO 66	12.0	10.1	8.1	9.3	16.1	12.2	12.8	11.6	7.9	484	19.5
57 TO 61	16.9	13.1	7.8	7.0	12.5	11.9	7.2	16.3	7.2	497	20.0
52 TO 56	19.8	12.9	8.8	1.8	8.1	9.6	9.4	20.8	9.8	457	18.4
47 TO 51	20.2	12.6	10.1	1.4	5.3	8.1	11.8	17.1	13.4	357	14.4
42 TO 46	23.3	3.8	6.9		.6	11.3	16.4	23.3	14.5	159	6.4
37 TO 41	27.9	9.8			1.6	13.1	24.6	8.2	14.8	61	2.5
32 TO 36	33.3					22.2		22.2	22.2	9	.4
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LOWER											
TOTALS	16.2	10.3	7.9	6.0	11.9	12.3	11.7	14.9	8.9	2480	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

17721
STATIONPATUXENT RIVER, MARYLAND
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARSNOVEMBER
MONTHALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					7.1	42.9	42.9	7.1		14	.6
72 TO 76	4.2	4.2		12.5	20.8	16.7	25.0	16.7		24	1.0
67 TO 71	1.0	4.9	5.8	7.8	26.2	32.0	17.5	4.9		103	4.3
62 TO 66	5.1	7.9	7.9	18.7	23.4	14.0	13.1	5.1	5.1	214	8.9
57 TO 61	9.5	7.4	4.6	11.6	18.2	20.0	10.9	10.5	7.4	255	11.9
52 TO 56	17.7	8.2	6.3	9.8	11.1	10.9	13.6	11.7	10.9	368	15.3
47 TO 51	24.5	12.1	4.9	4.1	9.7	9.9	10.9	15.8	8.0	486	20.3
42 TO 46	26.4	12.4	2.6	1.7	5.9	8.1	16.4	18.3	8.3	421	17.5
37 TO 41	25.9	7.5	6.1	1.0	4.1	7.5	13.0	24.9	9.9	293	12.2
32 TO 36	25.0	3.4	6.8		1.4	6.6	15.5	27.7	13.5	140	6.2
27 TO 31	16.2					2.7	27.0	27.0	27.0	37	1.5
22 TO 26	57.1						42.9			7	.3
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -8											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	19.1	8.8	5.1	6.3	10.9	11.9	14.0	15.5	8.5	2400	100.0

NAVWEASERVCOM

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

DECEMBER
MONTH

ALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						30.0	50.0			4	.2
67 TO 71	3.9				11.5	61.5	23.1			26	1.0
62 TO 66	1.9	1.9		1.9	18.5	40.7	33.3		1.9	54	2.2
57 TO 61	2.4	3.5	1.2	1.2	21.2	38.8	22.4	5.9	3.5	85	3.4
52 TO 56	7.1	3.1	4.6	6.1	25.0	28.1	11.7	8.7	5.6	196	7.9
47 TO 51	13.4	8.1	4.9	9.5	12.4	13.8	12.0	16.6	9.2	223	11.4
42 TO 46	16.6	10.1	9.0	8.6	9.9	9.7	9.2	15.5	11.4	465	18.8
37 TO 41	20.7	13.7	7.5	4.5	8.0	8.0	9.9	18.6	9.2	576	23.2
32 TO 36	22.5	11.5	5.2	1.8	10.5	11.0	9.9	19.1	8.4	382	15.4
27 TO 31	25.4	5.8	5.8	2.9	8.3	7.9	6.7	23.8	13.3	247	9.7
22 TO 26	28.7	1.7	5.9	.8	3.4	4.2	14.4	23.7	17.8	115	4.8
17 TO 21	42.1	2.6	2.6		5.3	2.6	13.5	13.2	21.1	38	1.5
12 TO 16	70.0	10.0						10.0	10.0	10	.4
7 TO 11									100.0	1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 & LOWER											
TOTALS	18.4	8.9	6.1	4.9	11.0	13.1	11.2	16.6	9.8	2479	100.0

NAVWEASERVCOM

10

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

10721
STATION

PATUXENT RIVER, MARYLAND
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

ALL
MONTH

ALL
NO. OF YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101				16.7	13.3		50.0			4	.5
92 TO 96	4.9	2.5	1.2	8.6	13.6	16.0	34.6	17.3	1.2	51	.7
87 TO 91	7.4	3.0	4.0	15.6	18.8	16.5	19.5	14.1	1.2	405	1.4
82 TO 86	7.5	7.6	4.0	16.8	22.0	16.9	14.8	7.6	2.6	1248	4.3
77 TO 81	7.4	7.3	5.3	14.6	21.2	18.6	12.2	9.3	4.4	2338	8.0
72 TO 76	8.2	7.0	6.0	9.6	20.0	19.1	12.7	9.3	8.1	3304	11.3
67 TO 71	9.8	9.3	9.2	9.2	16.7	15.8	10.9	10.0	9.0	2987	10.2
62 TO 66	10.6	10.7	9.1	9.4	16.6	13.1	10.8	10.7	8.8	2747	9.4
57 TO 61	12.7	9.5	6.4	9.3	16.2	14.4	10.6	13.3	7.6	2398	8.2
52 TO 56	14.5	9.3	7.0	8.4	15.0	11.8	10.3	15.1	8.5	2466	8.4
47 TO 51	17.3	9.4	6.6	9.1	13.3	8.6	10.8	16.1	8.7	2542	9.7
42 TO 46	18.6	10.0	6.9	7.7	11.4	7.6	10.5	18.1	9.2	2378	8.1
37 TO 41	21.5	10.2	6.9	5.6	7.9	7.7	10.0	19.8	10.5	2166	7.5
32 TO 36	22.9	10.5	6.6	4.2	7.3	6.8	8.4	22.7	10.6	1748	6.0
27 TO 31	25.7	7.8	6.8	3.7	8.3	4.5	6.3	21.9	13.1	1198	4.1
22 TO 26	30.3	8.2	3.8	2.1	5.0	4.5	8.9	25.9	11.2	706	2.4
17 TO 21	31.5	8.3	2.4		4.5	2.1	11.9	26.9	10.1	286	1.0
12 TO 16	46.7	2.5	1.6		.8	5.7	8.2	23.8	10.7	122	.4
7 TO 11	23.4	8.5	2.1		4.3	2.1	21.3	31.9	6.4	47	.2
2 TO 6	18.2	9.1					27.3	36.4	9.1	11	.0
-3 TO 1	16.7						16.7	66.7		6	.0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.6	8.9	6.7	8.8	14.7	12.4	11.1	14.4	8.4	29210	100.0

NAVWEASERVCOM

NOCD, Federal Building
Asheville, N. C.

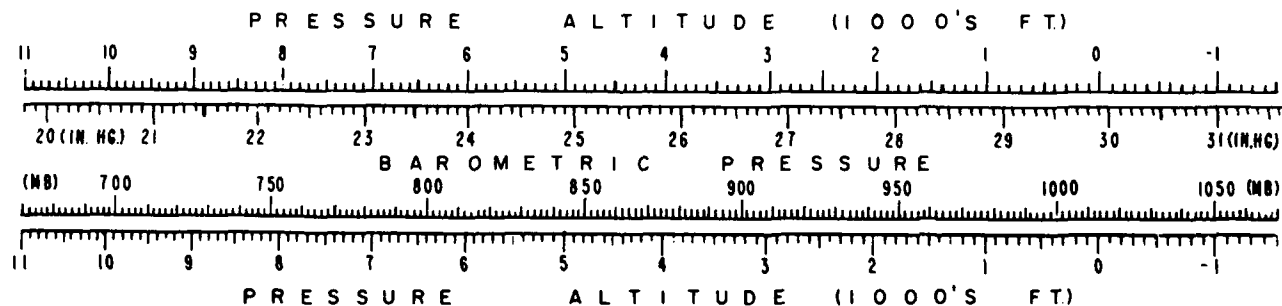
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

17721 PATUXENT RIVER, MARYLAND

73-92

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	1018.2	1018.7	1017.0	1016.1	1014.7	1015.5	1015.8	1017.4	1017.6	1018.8	1019.2	1018.9	1017.3	
	S. D.	9.349	9.195	8.262	7.553	5.273	5.399	4.332	3.720	4.808	6.727	7.386	9.143	7.155	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
04	MEAN	1018.2	1018.4	1016.6	1015.9	1014.5	1015.2	1015.6	1017.1	1017.3	1018.6	1019.1	1019.0	1017.1	
	S. D.	9.418	9.143	8.275	7.859	5.373	5.472	4.372	3.792	4.855	6.839	7.488	9.109	7.230	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
07	MEAN	1018.9	1019.4	1017.7	1017.1	1015.7	1016.2	1016.6	1018.1	1018.3	1019.4	1019.9	1019.6	1018.1	
	S. D.	9.448	9.161	8.527	8.274	5.419	5.551	4.391	3.892	4.955	7.042	7.527	9.285	7.330	
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	1019.9	1020.1	1018.0	1017.1	1015.9	1016.4	1016.9	1018.4	1018.8	1019.9	1020.6	1020.5	1018.5	
	S. D.	9.603	9.255	9.101	8.527	5.506	5.657	4.430	3.925	5.031	7.368	7.604	9.314	7.538	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
17	MEAN	1017.8	1018.6	1016.6	1015.9	1015.0	1015.7	1016.2	1017.7	1017.8	1018.5	1018.8	1018.6	1017.3	
	S. D.	9.617	9.263	9.193	8.322	5.510	5.698	4.490	3.879	5.043	7.384	7.578	9.221	7.459	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
18	MEAN	1017.3	1017.5	1015.2	1014.6	1013.9	1014.7	1015.1	1016.6	1016.6	1017.7	1018.2	1018.2	1016.3	
	S. D.	9.577	9.124	8.896	7.965	5.417	5.661	4.550	3.863	4.988	7.232	7.460	9.020	7.364	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	1018.3	1018.4	1016.0	1015.1	1014.1	1014.9	1015.2	1016.8	1017.0	1018.5	1019.1	1018.9	1016.8	
	S. D.	9.436	9.064	8.563	7.663	5.212	5.419	4.391	3.662	4.861	7.045	7.198	9.065	7.252	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
22	MEAN	1018.6	1018.8	1016.8	1016.1	1014.9	1015.7	1016.0	1017.6	1017.7	1019.1	1019.5	1019.1	1017.5	
	S. D.	9.359	9.033	8.288	7.488	5.178	5.350	4.352	3.597	4.807	6.902	7.173	9.198	7.136	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	1018.4	1018.7	1016.7	1016.0	1014.8	1015.5	1015.9	1017.5	1017.6	1018.8	1019.3	1019.1	1017.4	
	S. D.	9.490	9.168	8.673	7.993	5.396	5.547	4.447	3.834	4.956	7.089	7.447	9.180	7.337	
	TOTAL OBS	2478	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29212	

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13721

PATUXENT RIVER, MARYLAND

73-82

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
01	MEAN	30.022	30.037	29.987	29.963	29.920	29.942	29.951	29.997	30.005	30.040	30.053	30.042	29.996											
	S. D.	.277	.272	.244	.224	.156	.159	.128	.110	.141	.199	.218	.271	.212											
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651											
04	MEAN	30.022	30.030	29.774	29.954	29.914	29.934	29.945	29.990	29.996	30.034	30.049	30.044	29.990											
	S. D.	.278	.271	.244	.233	.159	.161	.129	.112	.144	.202	.221	.269	.214											
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651											
07	MEAN	30.042	30.057	30.007	29.988	29.948	29.963	29.976	30.019	30.027	30.059	30.073	30.064	30.018											
	S. D.	.279	.271	.252	.244	.160	.164	.130	.115	.146	.209	.222	.274	.217											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
10	MEAN	30.071	30.078	30.017	29.990	29.954	29.968	29.983	30.029	30.039	30.073	30.091	30.091	30.032											
	S. D.	.284	.274	.268	.252	.162	.167	.131	.116	.149	.218	.225	.275	.223											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
13	MEAN	30.010	30.034	29.975	29.954	29.928	29.950	29.965	30.008	30.009	30.031	30.040	30.035	29.995											
	S. D.	.284	.274	.272	.246	.163	.168	.133	.115	.149	.218	.224	.273	.221											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
16	MEAN	29.996	30.002	29.935	29.917	29.894	29.919	29.932	29.975	29.975	30.008	30.012	30.022	29.965											
	S. D.	.283	.270	.263	.236	.160	.166	.135	.114	.147	.214	.293	.266	.224											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652											
19	MEAN	30.025	30.028	29.957	29.931	29.900	29.924	29.935	29.981	29.986	30.032	30.050	30.044	29.982											
	S. D.	.279	.268	.252	.227	.154	.160	.130	.108	.144	.209	.213	.268	.214											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
22	MEAN	30.034	30.041	29.982	29.961	29.925	29.949	29.957	30.004	30.007	30.049	30.059	30.048	30.001											
	S. D.	.277	.267	.244	.222	.153	.158	.129	.106	.142	.204	.212	.272	.211											
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651											
ALL HOURS	MEAN	30.028	30.039	29.979	29.957	29.923	29.944	29.955	30.001	30.006	30.041	30.054	30.049	29.998											
	S. D.	.261	.271	.256	.237	.159	.164	.132	.113	.146	.210	.231	.271	.216											
	TOTAL OBS	2478	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29212											

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